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# Twenty-eighth Annual Report

*of the*

University of Illinois  
Health Service

**1943-1944**





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UNIVERSITY OF ILLINOIS

HEALTH SERVICE

Departments in Urbana-Champaign

Twenty-eighth Annual Report  
1943-1944

J. HOWARD BEARD, M.D.  
University Health Officer

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*Journal of Management Education* 30(6)p.789-804

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1. *Pharmaceutical industry* – The pharmaceutical industry is the largest of the three industries, with sales of \$10.5 billion in 1997. It is the only industry that has a significant presence in all three markets. The industry is dominated by a few large firms, with the top five firms accounting for 40% of sales. The industry is highly competitive, with many firms competing for market share. The industry is also highly regulated, with strict rules governing the development and marketing of drugs.

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## H E A L T H   E D U C A T I O N

A war, global in its scope, fought on land and sea, in the air and under water, in arctic cold and torrid heat, makes a sound knowledge of hygiene and sanitation essential and demands a revaluation, reorientation, and redirection of their instruction. Personal hygiene must receive increased emphasis, and the influence of markedly diverse environment upon its application must be given proper consideration. Such training in war-time is good for the student himself, better fits him to assume the responsibility of a command and to safeguard his men in subzero weather or tropical jungles. It provides him in days of peace with the information necessary to protect himself and his family, to function most efficiently in his job, and to participate intelligently in movements for the welfare of his community.









TO THE PRESIDENT OF THE UNIVERSITY

SIR:

I have the honor to present herewith the twenty-eighth annual report of the activities of the University Health Service covering the period of July 1, 1943, to June 30, 1944.

The year has been the most active and most trying experienced by the Health Service since its inauguration in 1916. Its greatly reduced personnel because of members of its staff entering military service and its facilities were over-taxed and overburdened in providing medical care for A.S.T.P. and S.T.A.R. trainees in addition to giving service to University employees and students and carrying on the routine duties assigned it.

The Department was handicapped because its Medical personnel had been reduced by more than 50% and more than half of it was over 57 years of age. The building could not house, even temporarily, the large number of sick soldiers who had to wait their turn to see a doctor. No previous experience so well demonstrated the inconvenience, inefficiency and inadequacy of a dwelling to serve as a dispensary for large numbers of ill and injured. In the midst of the congestion, the University recognized our difficulty and made some alterations in the building which alleviated somewhat the serious over-crowding.

Army trainees officially began receiving medical service in April of 1943 but the numbers doing so were of little consequence and they were cared for easily. By July first of the same year the number of trainees stationed on the campus markedly increased, as did the number of calls they made at the Health Service

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Station. By August, the facilities of the Health Service were overwhelmed and service to soldiers had to be given priority over students and employees. This was necessary if the University were to receive further consideration in the assignment of Army trainees.

The number of visits made to the Health Service by Army trainees was 52,317; 29,314 for sick call and 23,003 for monthly physical inspection and that previous to being "shipped out".

TABLE I

Services to A.S.T.P. & S.T.A.R. Trainees

|                         | <u>Visits</u> | <u>Inspections</u> | <u>Total</u>  |
|-------------------------|---------------|--------------------|---------------|
| A.S.T.P.                | 25,589        | 16,612             | 42,201        |
| S.T.A.R.                | <u>3,725</u>  | <u>6,391</u>       | <u>10,116</u> |
| Total                   | 29,214        | 23,003             | 52,317        |
| Night calls to Quarters |               |                    | <u>185</u>    |
|                         |               | Grand Total        | 52,502        |

In addition, civilian students called 21,331 times and employees 3,594, making a grand total of 77,242 calls for the year. Complete physical examinations were given to 2,972 students; 1,350 of whom were men and 1,622 women; 68 University High School Students; 769 Civil Service employees. At the request of the Associate Dean of the College of Engineering a total of 22 female students were examined for the Pratt Whitney Aircraft Corporation Fellowships. A total of 49 complete physical examinations were made of new staff members and for those beginning participation in the University Retirement System of Illinois.

the *Journal of the American Medical Association* (JAMA) and the *New England Journal of Medicine* (NEJM).

[illegible]

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The number of transformed cells was determined by the number of colonies obtained after plating on the selective medium. The results are the mean of three independent experiments. Error bars represent standard deviation.

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## SERVICES

I. Students

There were 5,824 students enrolled in the University at Champaign-Urbana during the academic year 1943-44. All but a very few of these called at the Health Service Station one or more times during the year for a total of 21,739 visits, or an average of 3.73 calls per student. The average call rate for women was 3.61; for men 3.9; and for upper-classmen, 2.22; for freshmen; 4.33. A total of 2,972 calls were made by students because of the required physical examination.

A total of 68 pupils seeking admission to the University High School were examined. Of these 36 were boys and 32 were girls.

II. Employees

Because of the labor turn-over associated with war, the numbers of workers incidental to servicing the Union Building and the Residence Halls for men, 769 prospective domestics and laborers were examined. Of these 310 were men and 448 were women. The University employees made 3,594 visits to the Health Service Station.

III. Foodhandlers

During the year 506 foodhandlers were examined to determine their physical fitness and disease carrier status.

IV. Chauffeur Examinations

A total of 193 individuals requested tests for chauffeurs before driving University automobiles. Of these, 164 were considered physically able to drive without involving unusual risks to themselves and the public; 29 were found to have handicaps which





made them an increased liability in operating a car. During the year, 4 students requesting motor vehicle permits were examined; 3 were found to be normal and one had a defect which made driving more hazardous than ordinarily. Fortunately, most of these abnormalities were associated with vision and were correctible by the use of glasses.

#### V. Applicants for Marriage Certificates

Pre-marital examinations have been available to students since the enactment of the Saltiel Law. During the year, 62 of them received the benefit of this service.

#### VI. Laboratory Service

In caring for students and employees, 6,892 laboratory tests were made; 4,515 at the Health Service Station, as shown in Table II, and 2,377 by the State Branch Laboratory at 505 South Fifth Street, Champaign, Illinois (see page 12).

TABLE II

#### Laboratory Tests

|                        |              |
|------------------------|--------------|
| Urinalyses             | 4,476        |
| Basal metabolism tests | 39           |
| Total                  | <u>4,515</u> |

#### FOLLOW -UP

##### 1. General

When new students take their physical examinations, a brief summary of the abnormal findings, if any, is made on their cards. Subsequently, they are recalled for conferences concerning the defects discovered, and are given advice regarding such correction or alleviation as may be possible. This latter phase of "follow up" was greatly restricted during the year because of the large number of military trainees



who had been given sick call.

## II. Albuminuria

A total of 67 new students examined on matriculation in 1943-1944 were found to have albuminuria. Repeated examinations showed the condition to be transient in every case.

## III. Heart Disease

Of the 2,972 students examined, 22 were found to have cardiac abnormalities. These have been kept under observation, have been repeatedly examined, and have been excused from physical education where the condition was marked or assigned to a program of adapted exercise which will protect them against undue strain.

## IV. Tuberculosis

During the year 17 students have requested tuberculin tests, of which 3 proved to be positive and 14 negative. The percentage of positive reactors is about what should be expected in a group of the age, environmental background, and composition of Illinois students. Those who reacted positively have been urged to have roentgenograms of their chests to establish, as far as possible, the extent of their infection and to have a record for comparison with future skiagrams.

A detailed history, a thorough physical examination, and a "follow-up" of suspicious cases are useful procedures but are not enough to discover active tuberculosis in its minimal stage. Only the wide use of the tuberculin test and X-ray of positive reactors can those with active tuberculosis in its incipiency be found in the student body, the greatest protection given the University population, and the best opportunity afforded to treat the disease when its "arrest" is most likely.



## V. Mental Hygiene

In addition to a regular physical examination, each student fills out a questionnaire which gives an insight into his health, mental state, habits, and living conditions. It supplements his medical record and physical examination, and is an important factor in determining his emotional development, attitude, and adjustment.

Students found to have difficulty in adapting themselves to the demands of the University environment are seen periodically, and every effort is made to give them all possible assistance in adjusting themselves to their surroundings. They are encouraged to enter into forms of extra-curricular activity which will help them both to find themselves and to achieve satisfaction in their college life.

### COMMUNICABLE DISEASE

#### I. Students

The incidence of communicable disease in the student body was less than last year; the total cases in 1943-44 were 21 and in 1942-43 there were 80.

Table 2

Incidence of Communicable Disease in  
the Student Body for the Biennium 1942-44

|                           | <u>1942-43</u> | <u>1943-44</u> |
|---------------------------|----------------|----------------|
| Amoebic Dysentery         | 3              | --             |
| Chickenpox                | 1              | 1              |
| Coryza                    | 708            | 627            |
| Coryza (hospitalized)     | --             | --             |
| Diphtheria                | 2              | --             |
| German Measles            | 62             | 6              |
| Impetigo contagiosa       | 5              | 2              |
| Measles                   | 6              | 2              |
| Meningitis                | 2              | 1              |
| Mumps                     | 6              | 2              |
| Scabies                   | 19             | --             |
| Scarlet fever             | 4              | 8              |
| Streptococcus Sore Throat | --             | 5              |
| Vincent's Angina          | 38             | 56             |
| Total -----               | <u>856</u>     | <u>710</u>     |





## II. Faculty and Civil Service Employees

Occurrence of communicable diseases in the families of **faculty** members and Civil Service employees was more than in previous years. A total of 25 cases were reported, of which 3 were chickenpox, 11 mumps, 8 measles, 1 scarlet fever and 2 meningitis.

### VACCINATIONS AND IMMUNIZATIONS

Typhoid and smallpox vaccines were furnished free by the State Department of Health. These biologicals were used to immunize students, employees, and others who wished to serve food on University property. Antigens for immunization against Typhus and Rocky Mountain Spotted Fevers were obtained from the laboratories of the U. S. Public Health Service at Hamilton, Montana.

Table 3

#### Immunization for Communicable Disease

| <u>Disease</u> | <u>Number of<br/>Persons</u> |
|----------------|------------------------------|
| Smallpox       | 1219                         |
| Spotted Fever  | 4                            |
| Typhoid Fever  | 757                          |
| Typhus         | 26                           |
| Total          | <u>2006</u>                  |

### COOPERATION WITH OTHER DEPARTMENTS

#### I. Military Science and Physical Education

(a) Permanent Classification: During the year it was necessary to assign 554 men and 32 women to individual gymnastics for special training. Because of marked physical abnormalities or organic disease, 71 students were classified as unable to take either regular physical education or military.

There were 5 students permanently excused from military





because of failure to meet the minimum physical standards of the Army.

(b) Temporary Excuses: During the year 251 men and women students were given temporary deferment from military, physical education, or both; 27 men from military only; 85 men and 139 women from physical education only. They had undergone recent operations, or had lost so much time on account of illness that they could not satisfactorily complete the work for the semester.

Students suffering from certain forms of dermatitis, sinusitis, infection of the middle ear, or perforation of the ear drum were transferred from swimming to forms of exercise less likely to aggravate their condition. A total of 11 recommendations were made to change students from one type of physical education to another or for modification of the exercise they were taking.

### INSTRUCTION IN HYGIENE

Compilation of the results of 766 questionnaires filled out by freshmen registered in Hygiene 1, 2, and 5 revealed that only 22 teachers in hygiene in high schools attended by those students, gave full-time instruction in health education. The greater percentage taught the subject as a "side line". The State of Illinois is still far behind in having its teaching of hygiene and sanitation of a quality comparable to their importance to the individual, to his community, and to the State.

The survey (see Appendix H) reveals, furthermore, that students who do not attend college do not receive sufficient training in high schools in personal health, nutrition, sanitation, the



control of communicable disease, and healthful living to meet intelligently the demands of our highly complex society. The seriousness of this situation becomes apparent when we recall that 25% of 18 year old men are rejected for general military service. About 30% of those graduating high school attend institutions of higher learning, and that science can only be applied to the general welfare in a democracy by support of the people. This educational deficiency assumes the aspects of a menace in a chaotic world of rapid transportation, shifting troops, campaigns in the tropics, and world-wide travel.

### I. Proficiency Examination

A total of 37 students passed the proficiency test in hygiene and received credit in the subject. Their distribution by colleges is given in Table 4.

Table 4

Classification of Those Who Passed  
Hygiene 2 and 5 Proficiency Examinations  
by Colleges

|                           |           |
|---------------------------|-----------|
| Liberal Arts and Sciences | 28        |
| Engineering               | 3         |
| Agriculture               | 3         |
| Commerce                  | 2         |
| Fine & Applied Arts       | 1         |
| Total                     | <u>37</u> |

### II. Elementary Hygiene 1

To cooperate with the General Division of the College of Liberal Arts and Sciences in the formation of its special curriculum for selected freshmen, the regular course, Hygiene 2 and 5, meeting twice a week for one semester with two hours' credit has been split into a two-semester course meeting once a week for an hour's credit each semester. This course extended over a full year and was given to 98 students the first semester and 97 the second semester.



This arrangement seemed necessary to help the College of Liberal Arts and Sciences in its experimental program but it is distinctly not in the interest of better instruction of freshmen in hygiene and sanitation. With the course meeting only once a week, continuity is exceedingly difficult because, with the intervention of holidays, the class may meet but once in two weeks, or even three weeks. Courses conducted on this plan lose prestige, are likely to prove uninteresting to the student and discouraging to the teacher because of the necessity of so condensing the subject matter in order to complete each topic at a session that inadequate instruction occurs in a number of instances. This is particularly unfortunate in a course like Hygiene and Sanitation, which is not only essential in normal times, but may prove life-saving to students who in a few months may find themselves serving in the Army in tropical or sub-tropical climates.

### III. Hygiene 2 and 5, Elementary Hygiene and Sanitation

In the first semester, elementary Hygiene and Sanitation was taught to 876 students, of which 383 were men and 493 women; in the second semester, 267 men and 467 women were enrolled in it. The total registration for both semesters in elementary Hygiene and Sanitation was 1,610. There were 5 sections the first semester and 5 the second for men, and 8 the first and 8 the second for women.

### IV. HYGIENE 6, First Aid

An elective course in First Aid was offered to women students during the year. There were 38 students enrolled in this course.

### V. Hygiene 8, Training for Nurses' Aides

Another war-time course, Nurses' Aide, was given during the year. The course was open to women, and had an enrollment of 43 students.





## VI. Hygiene 16

A new course which was offered for the first time to students who were enrolled in Occupational Therapy had an enrollment of 30.

## VII. Hygiene X3, Extension Course

In cooperation with the Director of the University Extension Service, a correspondence course in hygiene has been offered, which had a registration of 16 students. The quality of the work presented by those taking it was most satisfactory. This training should better prepare them to protect themselves and their families and to function more intelligently as citizens interested in improving living conditions in their community.

## SANITATION

Immediate attention has been given to reports which have been received concerning the conditions of the swimming pools and water supply. No colon bacilli were reported found during the year. The pools and drinking water of the University have been well supervised by an able and conscientious Sanitary Engineer.

## FIRST AID

A total of 172 first-aid cabinets are being maintained in the various buildings on the campus. They are much used and are visited weekly or twice weekly, depending upon their location and use, to replace supplies as needed.

## SPECIAL SERVICE AT UNIVERSITY EVENTS

It has been customary for a number of years for members of the Health Service staff upon request, to attend certain University

THE  
OFFICE OF THE  
ATTORNEY GENERAL  
STATE OF NEW YORK  
ALBANY

IN SENATE  
JANUARY 10, 1906  
REPORT  
OF THE  
ATTORNEY GENERAL  
IN RESPONSE TO  
A RESOLUTION  
PASSED BY THE SENATE  
MAY 1, 1905

ALBANY:  
J.B. LIPPINCOTT & CO.  
PRINTERS  
1906

RECEIVED  
JAN 11 1906  
OFFICE OF THE  
ATTORNEY GENERAL



functions in order to render emergency medical treatment, if necessary. This service is given at the Electrical Engineering Show, the Physical Education Tournaments, Farm and Home Week Programs, Commencement Exercises, and certain sport events.

In cooperation with other departments, the offices of the Health Service were also made available in emergencies to guests of the University. Its facilities were offered to those attending Farm and Home Week, 4-H Club Conventions, and short courses given by the University.

#### STATE LABORATORY SERVICE

As a part of the routine work of the Health Service, various laboratory services were given students and Civil Service employees. In many instances these tests were essential either in making effective the regulations of the University concerning foodhandlers or in diagnosing and controlling communicable disease. The bacteriological tests recorded herewith were made by the Branci Laboratory of the State Department of Health on specimens submitted by members of the medical staff of the Health Service. It is a pleasure to acknowledge our indebtedness to it.

Table 5

#### State Laboratory Tests

|                              | <u>Negative</u> | <u>Positive</u> | <u>Total</u> |
|------------------------------|-----------------|-----------------|--------------|
| Kahn Tests                   | 1,110           | 39              | 1,149        |
| Bacteriological examinations |                 |                 |              |
| of excreta                   | 916             | —               | 916          |
| Smears from the urethra      | 60              | 12              | 72           |
| Smears for Vincent's Angina  | 91              | 77              | 168          |
| Smears From the conjunctiva  | 1               | —               | 1            |
| Smears for Meningococci      | —               | 1               | 1            |
| Smears for Streptococci      | 24              | —               | 24           |
| Diphtheria cultures          | 4               | —               | 4            |
| Sputum examinations          | 42              | —               | 42           |
| Total                        | 2,248           | 129             | 2,377        |



## REQUESTS FOR INFORMATION

A total of 155 citizens of the State have requested information on various aspects of public health. Requests were also received for reprints of articles by members of the department and for copies of forms used by the Health Service. Questionnaires from numerous sources have been many, varied, and often quite comprehensive. This form of survey seems to be increasing in popularity and in the demands it makes upon the time of those requested to fill them out.

## THE GENERAL PRACTITIONER AND THE HEALTH SERVICE

The Medical staff of the Health Service has had the most helpful cooperation of local and family physicians in caring for students. A total of 159 letters have been received concerning the physical conditions of students who are or have been patients of these doctors.

## HOSPITALIZATION

The number of students admitted to local hospitals during the academic year was 2,176. Of this number, 2,041 were sent to the hospital by local doctors, and 135 went directly from the Health Service Station. The 135 who were sent to the hospitals from the Health Service Station chose 52 different doctors to attend them.

Sickness insurance was available to students during 1943-1944 to cover both medical and hospital care. The plan, as usual, was ably promoted by the office of the Dean of Men.

### I. The Student Body

The facilities of the McKinley Hospital are a great insurance for the student body. A total of 2,034 students was admitted to the Hospital for 7,640 days, and average of 3.68 days per patient.

Of all the students hospitalized, 93.5 per cent were admitted

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THE HISTORY OF THE

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to McKinley Hospital and only 6.5 per cent to other hospitals.

From Table 6, it will be seen that 837 students were admitted to the McKinley Hospital for communicable disease and remained for a total of 3,481 days or an average stay of 4.15 days per patient. The common cold caused about two-thirds of the cases and nearly 56 per cent of the hospital days. Scarlet fever was second in incidence with 47 cases and 606 patient days. There were 41 cases of measles with a total of 136 hospital days. One student was admitted because of influenza and remained 2 days for an average of 2 days per case.

Table 6

Student Cases of Communicable  
Disease Cared for at  
McKinley Hospital

| <u>Disease</u>     | <u>Cases</u> | <u>Days</u> |
|--------------------|--------------|-------------|
| Chickenpox         | 6            | 65          |
| Coryza             | 627          | 1967        |
| German Measles     | 27           | 225         |
| Influenza          | 1            | 2           |
| Measles            | 41           | 136         |
| Mumps              | 16           | 145         |
| Scarlet Fever      | 47           | 606         |
| Vincent's Angina   | 5            | 20          |
| Strep. Sore Throat | 5            | 19          |
| Bronchitis         | 33           | 159         |
| Pneumonia          | 5            | 57          |
| Larngitis          | 2            | 4           |
| Pharyngitis        | 22           | 76          |
| Total              | <u>837</u>   | <u>3481</u> |

## II. Civil Service Employees

During the year, University employees suffered 323 accidents in the line of duty. It was necessary to have 28 roentgenograms made in order to determine the presence or absence of fracture or dislocation. Of those injured 252 required only minor surgical attention and 71 were referred to outside surgeons or specialists for prolonged treatment. It



was necessary to hospitalize 13 employees for a total of 83 days, or an average of 6.3 days per patient.

### III. Local Hospitals

There were 36 students admitted to the Mercy Hospital for a total of 118 days, an average stay of 3.29; to the Burnham 106 for 355 days or 3.35 per student. Students who enter the local hospitals usually do so for surgical treatment and, therefore, remain longer on the average than in the McKinley Hospital.









## APPENDIX A

### TYPES OF MEDICAL ATTENTION TO STUDENTS AND EMPLOYEES



## TYPES OF MEDICAL ATTENTION TO STUDENTS AND EMPLOYEES

|                                                             | <u>1942-43</u> | <u>1943-44</u> |
|-------------------------------------------------------------|----------------|----------------|
| Advice in case of illness                                   | 2999           | 2254           |
| First aid in injury and infection                           | 2773           |                |
| Sent to hospital                                            | 650            | 246            |
| Referred to specialist                                      | 1024           | 220            |
| Urinalyses                                                  | 2716           | 4476           |
| Complete physical examinations of students<br>and employees | 5508           | 2681           |

Table II

Monthly Distribution of Visits

|        | <u>Student</u> |              | <u>Civil Service</u> |              | <u>Miscellaneous</u> |              | <u>Total</u> |              |
|--------|----------------|--------------|----------------------|--------------|----------------------|--------------|--------------|--------------|
|        | <u>Men</u>     | <u>Women</u> | <u>Men</u>           | <u>Women</u> | <u>Men</u>           | <u>Women</u> | <u>Men</u>   | <u>Women</u> |
| July   | 1234           | 531          | 200                  | 150          | 5                    |              | 1439         | 681          |
| Aug.   | 703            | 474          | 215                  | 227          |                      |              | 918          | 701          |
| Sept.  | 1048           | 629          | 227                  | 473          | 2                    |              | 1277         | 1102         |
| Oct.   | 968            | 1492         | 141                  | 151          | 1                    |              | 1110         | 1643         |
| Nov.   | 685            | 1024         | 151                  | 190          | 1                    |              | 837          | 1214         |
| Dec.   | 384            | 946          | 116                  | 166          |                      |              | 500          | 1112         |
| Jan.   | 419            | 888          | 147                  | 159          |                      |              | 566          | 1047         |
| Feb.   | 927            | 1527         | 121                  | 87           |                      |              | 1048         | 1614         |
| Mar.   | 487            | 1671         | 121                  | 126          |                      |              | 608          | 1797         |
| Apr.   | 844            | 1411         | 134                  | 112          | 4                    |              | 982          | 1523         |
| May    | 663            | 1174         | 97                   | 125          |                      | 1            | 760          | 1300         |
| June   | 991            | 619          | 165                  | 98           |                      | 3            | 1156         | 720          |
| Totals | 9353           | 12386        | 1835                 | 2069         | 13                   | 4            | 11201        | 14459        |

Table III

## CLASSIFICATION OF INJURIES TO CIVIL SERVICE EMPLOYEES FOR FIVE YEARS

|              | <u>1939-40</u> | <u>1940-41</u> | <u>1941-42</u> | <u>1942-43</u> | <u>1943-44</u> |
|--------------|----------------|----------------|----------------|----------------|----------------|
| Abrasions    | 15             | 18             | 9              | 8              | 8              |
| Bites        |                |                | 1              |                |                |
| Blisters     | 1              |                | 1              |                |                |
| Bruise       | 4              | 2              | 1              |                | 2              |
| Burns, acid  |                |                |                | 1              |                |
| others       | 8              | 17             | 18             | 8              | 23             |
| Contusions   | 13             | 16             | 17             | 31             | 49             |
| Nail Wounds  |                |                |                |                |                |
| Foreign body |                |                |                |                |                |
| removed      | 13             | 10             | 11             | 14             |                |
| Fractures    | 2              | 3              | 3              |                | 1              |

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1. The first group of variables includes the demographic characteristics of the respondents, such as age, gender, and education level. These variables are used to control for potential confounding factors that may influence the dependent variable.

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Table III (Continued)

|                   | <u>1939-40</u> | <u>1940-41</u> | <u>1941-42</u> | <u>1942-43</u> | <u>1943-44</u> |
|-------------------|----------------|----------------|----------------|----------------|----------------|
| Incisions         | 1              |                |                | 4              | 17             |
| Infections        | 12             | 14             | 15             | 8              | 18             |
| Injuries          | 21             | 11             | 14             | 14             | 19             |
| Lacerations       | 27             | 22             | 30             | 33             | 21             |
| Pain              |                |                | 1              |                |                |
| Puncture wound    | 3              | 2              | 8              | 1              | 3              |
| Sprain and strain | 13             | 29             | 13             | 19             | 23             |
| Wound             | 7              | 3              | 1              | 9              |                |
| Miscellaneous     | 3              | 3              | 1              | 3              |                |

Table IV

## LABORATORY EXAMINATIONS

|                                         | <u>Positive</u> | <u>Negative</u> | <u>Total</u> |
|-----------------------------------------|-----------------|-----------------|--------------|
| Urinalyses                              |                 | 4476            | 4476         |
| Kahn test for syphilis                  | 27              | 1194            | 1221         |
| Bacteriological examinations of excreta |                 | 815             | 815          |
| Throat cultures, diphtheria             |                 | 4               | 4            |
| Urethral smears                         |                 | 24              | 24           |
| Smear, Vincent's Angina                 | 53              | 80              | 133          |
| Heart-O-Meter examinations              |                 | 1               | 1            |
| Basal Metabolism tests                  |                 |                 | 39           |
| Sputum for tuberculosis                 | 4               | 27              | 31           |
| X-ray examinations                      | 209             | 436             | 645          |
| Agglutination tests for undulant fever  |                 |                 |              |
| Malaria blood smears                    |                 | 1               | 1            |
| Eye cultures                            |                 | 1               | 1            |

Table V

## CASES CARED FOR AT MCKINLEY HOSPITAL

|           | <u>Communicable</u> |             | <u>Non-Communicable</u> |             | <u>Total</u> |             |
|-----------|---------------------|-------------|-------------------------|-------------|--------------|-------------|
|           | <u>Cases</u>        | <u>Days</u> | <u>Cases</u>            | <u>Days</u> | <u>Cases</u> | <u>Days</u> |
| July      | 48                  | 131         | 2                       | 28          | 50           | 159         |
| August    | 1                   | 5           | 43                      | 136         | 44           | 141         |
| September |                     |             | 56                      | 118         | 56           | 118         |
| October   | 1                   | 20          | 111                     | 268         | 112          | 288         |
| November  |                     |             | 183                     | 477         | 183          | 477         |
| December  |                     |             | 478                     | 1469        | 478          | 1469        |
| January   | 8                   | 83          | 238                     | 781         | 246          | 864         |
| February  | 21                  | 104         | 160                     | 372         | 181          | 476         |
| March     | 24                  | 193         | 288                     | 1177        | 312          | 1370        |
| April     | 22                  | 158         | 172                     | 581         | 194          | 739         |
| May       | 15                  | 205         | 124                     | 469         | 139          | 674         |
| June      | 1                   | 15          | 68                      | 134         | 69           | 149         |
| Total     | 261                 | 914         | 1923                    | 6070        | 2064         | 6984        |



Table VI

## AVERAGE HOSPITAL STAY

Percentage of Students Using Hospitals

| <u>Year</u> | <u>Average Hospital Stay</u> | <u>Per cent of Students<br/>Using Hospitals</u> |
|-------------|------------------------------|-------------------------------------------------|
| 1938-1939   | 3.45                         | 25.31                                           |
| 1939-1940   | 3.34                         | 24.07                                           |
| 1940-1941   | 3.42                         | 27.3                                            |
| 1941-1942   | 3.51                         | 25.5                                            |
| 1942-1943   | 3.68                         | 23.8                                            |
| 1943-1944   | 3.30                         | 35.4                                            |

Table VII

## CASES CARED FOR AT MCKINLEY HOSPITAL

|                | <u>1941-1942</u> |             | <u>1942-1943</u> |             | <u>1943-1944</u> |             |
|----------------|------------------|-------------|------------------|-------------|------------------|-------------|
|                | <u>Cases</u>     | <u>Days</u> | <u>Cases</u>     | <u>Days</u> | <u>Cases</u>     | <u>Days</u> |
| Angina         | 2                | 7           | 10               | 60          | 5                | 20          |
| Chickenpox     | 4                | 36          | 4                | 56          | 4                | 31          |
| Influenza      | 70               | 347         | 19               | 75          | 2                | 6           |
| LaGrippe       | 36               | 129         | 95               | 437         | 203              | 765         |
| Measles        | 119              | 383         | 7                | 61          | 59               | 328         |
| Mumps          | 24               | 226         | 17               | 184         | 16               | 145         |
| Pneumonia      | 2                | 14          | 6                | 96          | 9                | 112         |
| Scarlet fever  | 4                | 77          | 25               | 481         | 45               | 572         |
| German measles | 66               | 129         | 223              | 1343        | 11               | 142         |
| Total          | 327              | 1348        | 406              | 2793        | 354              | 2121        |

Table VIII

## ELEMENTARY HYGIENE

|                        | <u>Number of Students</u> | <u>Number of Sections</u> |
|------------------------|---------------------------|---------------------------|
| Hygiene I              |                           |                           |
| For the year           | 195                       | 2                         |
| Hygiene II             |                           |                           |
| Women, First Semester  | 493                       | 5                         |
| Women, Second Semester | 467                       | 5                         |
| Hygiene V              |                           |                           |
| Men, First Semester    | 383                       | 8                         |
| Men, Second Semester   | 267                       | 8                         |



Table VIII (Continued)

## ADVANCED HYGIENE

|                 | <u>Total</u> |
|-----------------|--------------|
| Hygiene X       |              |
| First Semester  | 9            |
| Second Semester | 9            |

## FIRST AID

|                       | <u>Number of Students</u> | <u>Number of Sections</u> |
|-----------------------|---------------------------|---------------------------|
| Hygiene VI            |                           |                           |
| Women, First Semester | 7                         | 1                         |
| Second Semester       | 31                        | 1                         |

## NURSES AIDE

|                       |    |   |
|-----------------------|----|---|
| Hygiene VIII          |    |   |
| Women, First Semester | 17 | 1 |
| Second Semester       | 26 | 1 |

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APPENDIX B

MEDICAL HISTORY

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CHURCH REBUILT TO FORTIFY MIND

Table IX

## FAMILY HISTORY OF INHERITABLE DISEASES

|                | 1946 |       | 1947 |      |       |       |       |       |
|----------------|------|-------|------|------|-------|-------|-------|-------|
|                | Men  | Women | Men  |      | Women |       | Total |       |
|                | %    | %     | No.  | %    | No.   | %     | No.   | %     |
| Apoplexy       | .4   | .75   | 1    | .07  | 31    | 1.91  | 32    | 1.07  |
| Cancer         | 7.3  | 14.43 | 84   | 6.33 | 220   | 18.43 | 304   | 10.23 |
| Goiter         | 2.4  | 6.40  | 30   | 2.26 | 98    | 6.04  | 128   | 4.31  |
| Mental         |      |       |      |      |       |       |       |       |
| Disturbances   | .8   | 1.06  | 10   | .75  | 20    | 1.23  | 30    | 1.01  |
| Diabetes       | 5.3  | 10.10 | 69   | 5.20 | 155   | 9.24  | 224   | 7.54  |
| Kidney disease | 1.13 | 3.45  | 20   | 1.50 | 59    | 3.63  | 79    | 2.66  |
| Epilepsy       | .3   | .06   | 1    | .07  | 7     | .43   | 8     | .27   |
| Tuberculosis   | 6.8  | 7.21  | 41   | 3.09 | 102   | 6.28  | 143   | 4.81  |

Table X

## INJURIES

|         | 1946  |       | 1947 |       |       |      |       |      |
|---------|-------|-------|------|-------|-------|------|-------|------|
|         | Men   | Women | Men  |       | Women |      | Total |      |
|         | %     | %     | No.  | %     | No.   | %    | No.   | %    |
| Head    | 5.49  | 1.50  | 44   | 3.33  | 17    | 1.04 | 61    | 2.05 |
| Chest   | 2.23  | 1.12  | 24   | 1.81  |       |      | 24    | .81  |
| Abdomen | .52   | .25   | 8    | .60   | 4     | .24  | 12    | .40  |
| Arm     | 11.75 | 6.15  | 171  | 12.90 | 65    | 4.00 | 236   | 7.94 |
| Leg     | 12.88 | 2.83  | 97   | 7.31  | 14    | .86  | 111   | 3.73 |
| Others  | 2.26  | 2.    | 115  | 8.67  | 71    | 4.37 | 186   | 6.26 |

Table XI

## OPERATIONS

|              | 1946  |       | 1947 |       |       |      |       |       |
|--------------|-------|-------|------|-------|-------|------|-------|-------|
|              | Men   | Women | Men  |       | Women |      | Total |       |
|              | %     | %     | No.  | %     | No.   | %    | No.   | %     |
| Head         |       |       |      |       |       |      |       |       |
| Tonsils      | 54.39 | 40.74 | 481  | 36.30 | 111   | 6.84 | 592   | 19.92 |
| Adenoids     | 34.64 | 16.94 | 101  | 7.62  | 51    | 3.14 | 152   | 5.12  |
| Others       | 2.58  | 3.13  | 66   | 4.98  | 33    | 2.03 | 99    | 3.33  |
| Chest        | .11   | .18   | 26   | 1.96  | 6     | .36  | 32    | 1.07  |
| Abdomen      | 10.99 | 12.99 | 171  | 12.90 | 151   | 9.30 | 222   | 7.47  |
| Circumcision | 24.14 |       | 109  | 8.22  |       |      | 109   | 3.67  |
| Others       | 2.99  | 2.95  | 86   | 6.49  | 46    | 2.83 | 132   | 4.44  |



Table XII

## USE OF TEA, COFFEE, AND TOBACCO

|           | 1946  |       | 1947 |       |       |       |       |       |
|-----------|-------|-------|------|-------|-------|-------|-------|-------|
|           | Men   | Women | Men  |       | Women |       | Total |       |
|           | %     | %     | No.  | %     | No.   | %     | No.   | %     |
| Tea       | 23.21 | 43.37 | 495  | 37.35 | 738   | 45.41 | 1233  | 41.48 |
| Coffee    | 35.04 | 44.31 | 357  | 26.94 | 622   | 38.36 | 979   | 32.94 |
| Tobacco   | 29.69 | 28.12 | 414  | 31.24 | 463   | 28.54 | 877   | 29.51 |
| None of 3 | 38.01 | 29.00 | 416  | 31.39 | 408   | 25.15 | 824   | 27.72 |

Table XIII

## SLEEPING HABITS

|              | 1946  |       | 1947 |       |       |       |       |       |
|--------------|-------|-------|------|-------|-------|-------|-------|-------|
|              | Men   | Women | Men  |       | Women |       | Total |       |
|              | %     | %     | No.  | %     | No.   | %     | No.   | %     |
| Under 6 hrs. | .058  | .87   | 4    | .30   | 2     | .12   | 6     | .21   |
| 6 to 7 hrs.  | 8.11  | 17.76 | 133  | 10.03 | 327   | 20.16 | 460   | 15.81 |
| 8 to 9 hrs.  | 87.92 | 76.65 | 1155 | 85.55 | 1223  | 75.40 | 2378  | 80.02 |
| 10 hrs.      |       |       |      |       |       |       |       |       |
| and over     | 4.01  | 5.02  | 58   | 4.37  | 70    | 4.31  | 128   | 4.31  |

Table XIV

## STUDENTS GIVING HISTORIES OF TYPHOID FEVER

|               |      |               |      |
|---------------|------|---------------|------|
| Class of 1934 | 2.09 | Class of 1941 | .69  |
| Class of 1935 | 2.08 | Class of 1942 | .94  |
| Class of 1936 | 2.21 | Class of 1943 | .94  |
| Class of 1937 | 2.28 | Class of 1944 | .77  |
| Class of 1938 | 2.57 | Class of 1945 | 1.08 |
| Class of 1939 | 1.46 | Class of 1946 | .77  |
| Class of 1940 | 1.14 | Class of 1947 | .37  |





Table XV

RELATIVE OCCURRENCE OF CERTAIN DISEASES IN HISTORIES OF THE CLASS  
OF 1947

|                   | 1946     |            | 1947         |                |      |       | Total |       |
|-------------------|----------|------------|--------------|----------------|------|-------|-------|-------|
|                   | Men<br>% | Women<br>% | Men<br>No. % | Women<br>No. % |      |       | No. % |       |
| Appendicitis      | 9.10     | 15.00      | 148          | 11.16          | 246  | 15.16 | 394   | 13.26 |
| Asthma            | 1.94     | 1.37       | 51           | 3.84           | 50   | 3.08  | 101   | 3.39  |
| Chickenpox        | 39.13    | 71.11      | 770          | 58.11          | 1099 | 67.75 | 1869  | 62.88 |
| Chorea            | .20      | .18        | 2            | .15            | 9    | .55   | 11    | .37   |
| Constipation      | .66      | 5.65       | 11           | .83            | 70   | 4.32  | 81    | 2.72  |
| Diabetes          | .29      | .12        | 4            | .30            | 7    | .43   | 11    | .37   |
| Diphtheria        | 3.40     | 3.26       | 58           | 4.37           | 55   | 3.39  | 113   | 3.80  |
| Discharging Ear   | 3.86     | 5.96       | 58           | 4.37           | 79   | 4.81  | 137   | 4.61  |
| Dysentery         | .52      | .06        | 9            | .67            | 23   | 1.41  | 32    | 1.07  |
| Epilepsy          | .11      |            |              |                | 2    | .12   | 2     | .07   |
| Heart Trouble     | 2.18     | 1.37       | 47           | 3.54           | 36   | 2.21  | 83    | 2.79  |
| Hay fever         | 4.91     | 8.91       | 107          | 8.07           | 127  | 7.82  | 234   | 7.87  |
| Hernia (rupture)  | 3.02     | .50        | 54           | 4.07           | 8    | .49   | 62    | 2.08  |
| Infantile         |          |            |              |                |      |       |       |       |
| Paralysis         | .69      | .10        | 18           | 1.35           | 11   | .67   | 29    | .97   |
| Influenza         | 8.30     | 19.89      | 153          | 10.54          | 243  | 14.98 | 396   | 13.32 |
| Kidney trouble    | 1.13     | 3.89       | 16           | 1.20           | 53   | 3.26  | 69    | 2.32  |
| Malaria           | 1.51     | 1.44       | 16           | 1.20           | 30   | 1.84  | 46    | 1.55  |
| Measles           | 77.13    | 83.05      | 939          | 70.86          | 1187 | 73.18 | 2126  | 71.53 |
| German measles    | 25.30    | 37.60      | 389          | 29.35          | 593  | 36.56 | 982   | 33.04 |
| Meningitis        | .32      | .06        | 7            | .52            | 3    | .18   | 10    | .33   |
| Mumps             | 51.42    | 51.03      | 692          | 52.22          | 785  | 48.39 | 1477  | 49.69 |
| Nervous Breakdown | .34      | 1.14       | 4            | .30            | 12   | .74   | 16    | .54   |
| Pleurisy          | 1.25     | 2.4        | 19           | 1.43           | 36   | 2.21  | 55    | 1.85  |
| Pneumonia         | 8.26     | 11.92      | 176          | 13.28          | 151  | 9.30  | 327   | 11.00 |
| Rheumatism        | 1.71     | 3.07       | 25           | 1.88           | 60   | 3.69  | 85    | 2.86  |
| Scarlet fever     | 18.64    | 19.40      | 258          | 19.39          | 274  | 16.89 | 532   | 17.90 |
| Sinusitis         | 1.94     | 6.84       | 78           | 5.88           | 72   | 4.43  | 150   | 5.38  |
| Smallpox          | 1.57     | 2.69       | 39           | 2.94           | 43   | 2.65  | 82    | 2.75  |
| Tonsillitis       | 16.84    | 27.24      | 326          | 24.60          | 351  | 21.02 | 677   | 22.74 |
| Trachoma          | .08      |            | 2            | .15            | 2    | .12   | 4     | .14   |
| Tuberculosis      | .20      | .81        | 8            | .60            | 5    | .31   | 13    | .44   |
| Typhoid fever     | .75      | .81        | 8            | .60            | 3    | .18   | 11    | .37   |
| Undulant fever    | .14      | .25        | 5            | .37            | 2    | .12   | 7     | .23   |
| Whooping cough    | 45.52    | 57.77      | 574          | 43.32          | 912  | 56.22 | 1486  | 50.00 |
| Others            | 12.47    | 2.25       | 42           | 3.17           | 47   | 2.89  | 89    | 2.99  |
| IMMUNIZATIONS:    |          |            |              |                |      |       |       |       |
| Diphtheria        | 43.39    | 50.59      | 686          | 51.77          | 695  | 42.84 | 1381  | 46.46 |
| Scarlet fever     | 19.2     | 23.85      | 366          | 27.62          | 459  | 28.36 | 825   | 27.76 |
| Smallpox          | 66.52    | 77.96      | 901          | 68.00          | 1247 | 76.88 | 2148  | 72.27 |
| Typhoid Fever     | 13.37    | 20.90      | 344          | 25.96          | 337  | 20.77 | 681   | 22.91 |
| TESTS:            |          |            |              |                |      |       |       |       |
| Schick            | 29.69    | 37.97      | 457          | 34.49          | 575  | 35.45 | 1032  | 34.73 |
| Dick              | 14.57    | 31.70      | 271          | 20.45          | 280  | 17.29 | 551   | 18.54 |

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|-------------------------|----|----|----|----|----|----|----|----|-----|
| 1                       | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  |
| 11                      | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  |
| 21                      | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30  |
| 31                      | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40  |
| 41                      | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50  |
| 51                      | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60  |
| 61                      | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70  |
| 71                      | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80  |
| 81                      | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90  |
| 91                      | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

Table XVI

## GENERAL DEVELOPMENT

|           | 1946  |       | 1947 |       |       |       | Total |       |
|-----------|-------|-------|------|-------|-------|-------|-------|-------|
|           | Men   | Women | Men  |       | Women |       | Total |       |
|           | %     | %     | No.  | %     | No.   | %     | No.   | %     |
| Excellent | .03   | 1.94  | 12   | .90   | 49    | 3.02  | 61    | 2.05  |
| Good      | 84.78 | 94.66 | 1300 | 96.29 | 1464  | 90.25 | 2764  | 93.01 |
| Fair      | 9.30  | 3.20  | 31   | 2.34  | 102   | 6.38  | 133   | 4.47  |
| Poor      | 5.87  | .12   | 7    | .52   | 7     | .43   | 14    | .47   |
| BUILD:    |       |       |      |       |       |       |       |       |
| Stocky    | 8.14  | 9.85  | 143  | 10.79 | 166   | 10.23 | 309   | 10.39 |
| Medium    | 78.06 | 54.11 | 983  | 72.81 | 1007  | 62.08 | 1990  | 65.96 |
| Slender   | 13.78 | 36.03 | 224  | 16.90 | 449   | 27.62 | 673   | 22.65 |

Table XVII

## COLOR OF EYES

|          | 1946  |       | 1947 |       |       |       | Total |       |
|----------|-------|-------|------|-------|-------|-------|-------|-------|
|          | Men   | Women | Men  |       | Women |       | Total |       |
|          | %     | %     | No.  | %     | No.   | %     | No.   | %     |
| Blue     | 40.66 | 34.77 | 425  | 31.48 | 491   | 30.82 | 916   | 30.82 |
| Gray     | 4.91  | 5.14  | 90   | 6.79  | 118   | 7.27  | 208   | 6.99  |
| Greenish | 6.77  | 7.97  | 76   | 5.73  | 202   | 12.45 | 278   | 9.36  |
| Hazel    | 9.86  | 15.75 | 155  | 11.69 | 272   | 16.77 | 427   | 14.37 |
| Brown    | 34.38 | 35.34 | 585  | 44.15 | 503   | 31.01 | 1088  | 36.61 |
| Black    | 3.40  | 1.00  | 19   | 1.43  | 36    | 2.21  | 55    | 1.85  |

Table XVIII

## COLOR OF HAIR

|             | 1946  |       | 1947 |       |       |       | Total |       |
|-------------|-------|-------|------|-------|-------|-------|-------|-------|
|             | Men   | Women | Men  |       | Women |       | Total |       |
|             | %     | %     | No.  | %     | No.   | %     | No.   | %     |
| Flaxen      | 9.77  | 10.13 | 64   | 4.83  | 180   | 11.09 | 244   | 8.21  |
| Reddish     | 3.05  | 4.33  | 33   | 2.49  | 85    | 5.24  | 118   | 3.97  |
| Light Brown | 20.13 | 22.60 | 222  | 16.75 | 378   | 23.30 | 600   | 20.19 |
| Brown       | 30.27 | 28.93 | 289  | 21.39 | 358   | 22.07 | 647   | 21.77 |
| Dark Brown  | 19.92 | 22.78 | 557  | 42.03 | 442   | 28.25 | 999   | 33.62 |
| Black       | 16.84 | 9.41  | 185  | 13.96 | 179   | 11.03 | 364   | 12.25 |
| Gray        |       |       |      |       |       |       |       |       |
| Bald        |       |       |      |       |       |       |       |       |



Table XIX

## TEETH

|                             | 1946  |       | 1947 |       |       |       | Total |       |
|-----------------------------|-------|-------|------|-------|-------|-------|-------|-------|
|                             | Men   | Women | Men  |       | Women |       | Total |       |
|                             | %     | %     | No.  | %     | No.   | %     | No.   | %     |
| Cavities                    | 12.07 | 2.32  | 79   | 5.96  | 110   | 6.78  | 189   | 6.32  |
| Absent                      | 62.10 | 10.73 | 400  | 30.18 | 656   | 40.44 | 1056  | 35.53 |
| Need cleaning               | 2.21  | 21.34 | 11   | .83   | 45    | 2.77  | 56    | 1.88  |
| Diseased gums               | .17   | .94   | 2    | .15   | 8     | .49   | 10    | .33   |
| No cavities,<br>none absent | 30.07 | 35.53 | 729  | 55.01 | 528   | 32.54 | 1257  | 42.29 |
| Teeth<br>devitalized        | .57   | 4.58  | 3    | .22   | 10    | .62   | 13    | .44   |

Table XX

## ABNORMALITIES OF THE HEART

|                 | 1946 |       | 1947 |      |       |      | Total |     |
|-----------------|------|-------|------|------|-------|------|-------|-----|
|                 | Men  | Women | Men  |      | Women |      | Total |     |
|                 | %    | %     | No.  | %    | No.   | %    | No.   | %   |
| Abnormalities   | .40  | .81   | 15   | 1.13 | 7     | .43  | 22    | .74 |
| Irregular pulse | .08  | .18   | 2    | .15  | 17    | 1.04 | 19    | .64 |

Table XXI

## THYROID ENLARGEMENT

|                         | 1946 |       | 1947 |     |       |      | Total |      |
|-------------------------|------|-------|------|-----|-------|------|-------|------|
|                         | Men  | Women | Men  |     | Women |      | Total |      |
|                         | %    | %     | No.  | %   | No.   | %    | No.   | %    |
| Enlarged                |      |       |      |     |       |      |       |      |
| Slight                  | .08  | 7.34  | 1    | .07 | 63    | 3.88 | 64    | 2.15 |
| Moderate                | .05  | 1.06  | 1    | .07 | 5     | .31  | 6     | .20  |
| Marked                  |      |       |      |     | 1     | .06  | 1     | .03  |
| Evidence of<br>Toxicity |      | .18   | 1    | .07 | 2     | .12  | 3     | .10  |



Table XXII

## CHEST AND LUNGS

|                 | 1946 |       | 1947 |     |       |      | Total |      |
|-----------------|------|-------|------|-----|-------|------|-------|------|
|                 | Men  | Women | Men  |     | Women |      | Total |      |
|                 | %    | %     | No.  | %   | No.   | %    | No.   | %    |
| Lungs, abnormal | .11  |       | 8    | .60 | 7     | .43  | 15    | .50  |
| Chest           |      |       |      |     |       |      |       |      |
| Flat            | .81  | 3.89  | 4    | .30 | 53    | 3.26 | 57    | 1.52 |
| Funnel          | .41  | 1.0   | 12   | .90 | 39    | 2.40 | 51    | 1.72 |
| Pigeon          | .47  | 1.95  | 1    | .07 | 23    | 1.41 | 24    | .81  |

Table XXIII

## CONDITION OF ABDOMINAL WALLS

|          | 1946 |       | 1947 |      |       |   | Total |     |
|----------|------|-------|------|------|-------|---|-------|-----|
|          | Men  | Women | Men  |      | Women |   | Total |     |
|          | %    | %     | No.  | %    | No.   | % | No.   | %   |
| Abnormal | .02  | .06   | 7    | .52  |       |   | 7     | .23 |
| Hernia   | .72  |       | 28   | 2.11 |       |   | 28    | .94 |

Table XXIV

## INCIDENCE OF ENLARGED LYMPH GLANDS

|              | 1946 |       | 1947 |     |       |   | Total |     |
|--------------|------|-------|------|-----|-------|---|-------|-----|
|              | Men  | Women | Men  |     | Women |   | Total |     |
|              | %    | %     | No.  | %   | No.   | % | No.   | %   |
| Epitrochlear | .46  |       | 1    | .07 |       |   | 1     | .03 |
| Axillary     | .81  | .25   | 1    | .07 |       |   | 1     | .03 |
| Cervical     | 1.62 | 1.63  | 5    | .37 |       |   | 5     | .16 |
| Inguinal     | 4.79 | .43   | 13   | .98 |       |   | 13    | .44 |

Table XXV

## HERNIA IN MEN

|               |      |               |      |
|---------------|------|---------------|------|
| Class of 1934 | 1.30 | Class of 1941 | 1.20 |
| Class of 1935 | 1.71 | Class of 1942 | .86  |
| Class of 1936 | .71  | Class of 1943 | .90  |
| Class of 1937 | 1.19 | Class of 1944 | .69  |
| Class of 1938 | 1.16 | Class of 1945 | .76  |
| Class of 1939 | .76  | Class of 1946 | .73  |
| Class of 1940 | .70  | Class of 1947 | 2.11 |



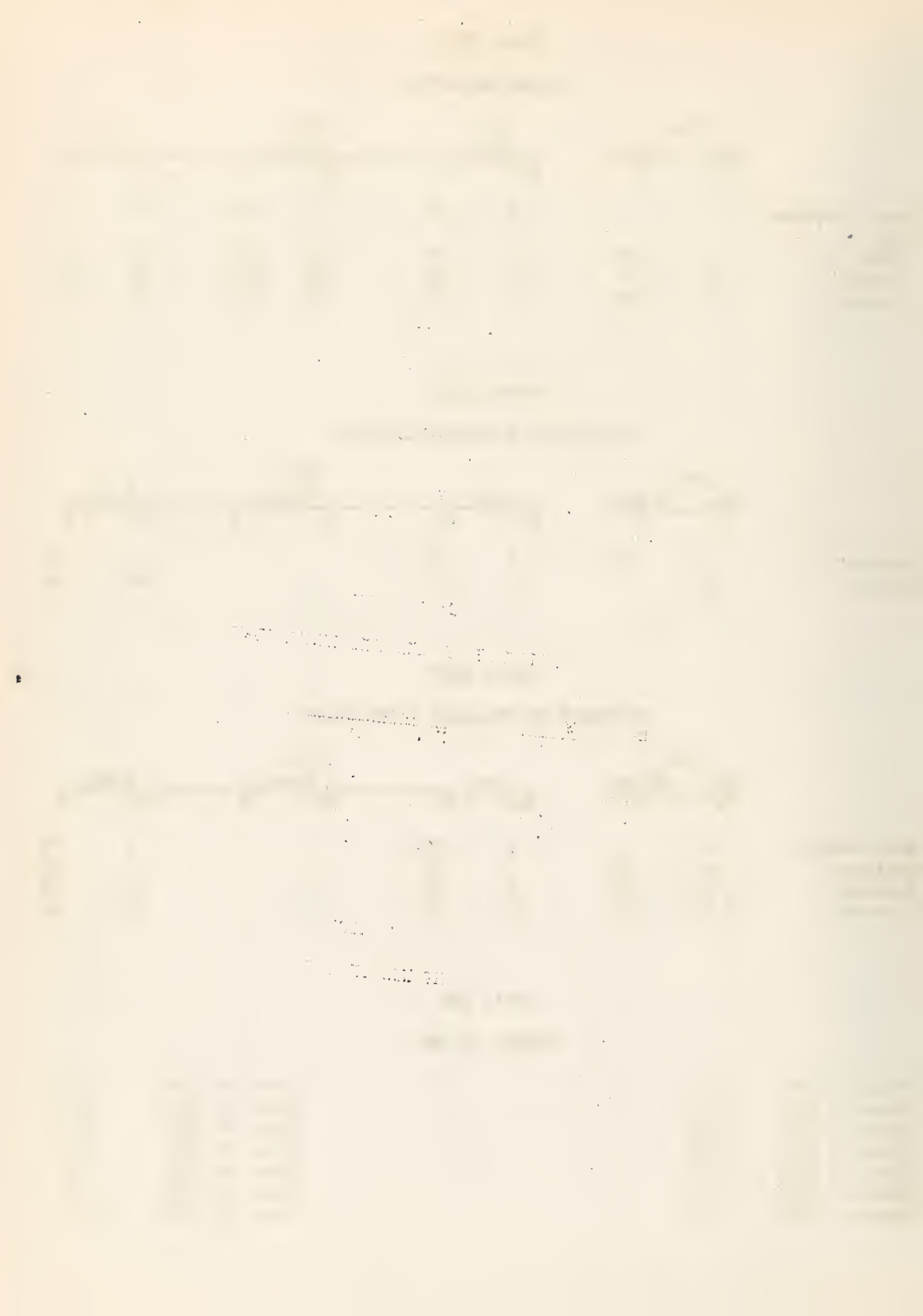




Table XXVI

## GENITO-URINARY ORGANS

|                 | <u>1946</u> |     | <u>1947</u> |
|-----------------|-------------|-----|-------------|
|                 | <u>%</u>    | No. | <u>%</u>    |
| Testes Abnormal | .40         | 6   | .45         |
| Circumcision    | 49.73       | 722 | 54.49       |

Table XXVII

## CRYPTORCHIDISM

|               |     |               |      |
|---------------|-----|---------------|------|
| Class of 1934 | .70 | Class of 1941 | .18  |
| Class of 1935 | .48 | Class of 1942 | .12  |
| Class of 1936 | .28 | Class of 1943 | .83  |
| Class of 1937 | .32 | Class of 1944 | .67  |
| Class of 1938 | .43 | Class of 1945 | 2.55 |
| Class of 1939 | .03 | Class of 1946 | .40  |
| Class of 1940 | .29 | Class of 1947 | .44  |

Table XXVIII

## URINALYSIS

|          | <u>1946</u> |              |     | <u>1947</u> |              |       | <u>Total</u> |          |
|----------|-------------|--------------|-----|-------------|--------------|-------|--------------|----------|
|          | <u>Men</u>  | <u>Women</u> |     | <u>Men</u>  | <u>Women</u> |       | <u>No.</u>   | <u>%</u> |
|          | <u>%</u>    | <u>%</u>     |     | <u>No.</u>  | <u>%</u>     |       | <u>No.</u>   | <u>%</u> |
| Acid     | 76.46       | 80.97        | 864 | 65.20       | 1075         | 66.27 | 1939         | 64.24    |
| Alkaline | 23.29       | 18.76        | 481 | 35.63       | 539          | 33.23 | 1020         | 34.32    |
| Neutral  | .23         | .31          | 5   | .37         | 8            | .49   | 13           | .44      |
| Sugar    | .84         |              | 16  | 1.20        | 25           | 1.54  | 41           | 1.38     |
| Albumin  | 5.41        | 1.50         | 25  | 1.88        | 41           | 2.52  | 66           | 2.15     |



Table XXIX

## GLYCOSURIA AND ALBUMINURIA OVER A PERIOD OF YEARS

|               | Sugar    |          | Albumin  |          |
|---------------|----------|----------|----------|----------|
|               | Men      | Women    | Men      | Women    |
|               | <u>%</u> | <u>%</u> | <u>%</u> | <u>%</u> |
| Class of 1934 | .21      | .79      | 5.65     | 2.97     |
| Class of 1935 | .22      | 1.29     | 5.40     | 4.2      |
| Class of 1936 | .52      | 1.19     | 6.7      | 2.87     |
| Class of 1937 | .52      |          | 4.97     | 1.15     |
| Class of 1938 | .86      | 2.13     | 4.59     | 3.66     |
| Class of 1939 | .42      | .59      | 4.94     | 4.69     |
| Class of 1940 | .43      | .78      | 6.06     | 2.47     |
| Class of 1941 | .13      | 4.81     | 3.74     | 6.24     |
| Class of 1942 | .11      | 1.38     | 1.42     | 4.51     |
| Class of 1943 |          | .37      | .089     | .97      |
| Class of 1944 | .40      | 1.81     | 3.65     | 4.95     |
| Class of 1945 | .31      | .22      | 2.62     | 6.00     |
| Class of 1946 | .84      |          | 5.41     | 1.50     |
| Class of 1947 | 1.20     | 1.54     | 1.88     | 2.52     |

Table XXX

## FOOT ABNORMALITIES

|               | 1946  |       | 1947 |       |       |       |       |       |
|---------------|-------|-------|------|-------|-------|-------|-------|-------|
|               | Men   | Women | Men  |       | Women |       | Total |       |
|               | %     | %     | No.  | %     | No.   | %     | No.   | %     |
| Long Arches   |       |       |      |       |       |       |       |       |
| 1st degree    | 11.69 | 28.24 | 190  | 14.33 | 573   | 35.26 | 762   | 25.64 |
| 2nd degree    | 5.64  | 9.79  | 134  | 10.11 | 139   | 8.57  | 273   | 9.18  |
| 3rd degree    | .78   | 7.90  | 23   | 1.73  | 29    | 1.79  | 52    | 1.75  |
| Anterior      |       |       |      |       |       |       |       |       |
| arches        | 10.79 | 30.69 | 223  | 16.83 | 647   | 39.98 | 870   | 29.27 |
| Abnormalities |       |       |      |       |       |       |       |       |
| of feet       |       |       | 2    | .15   | 1     | .06   | 3     | .10   |



Table XXXI

## FOOT ABNORMALITIES OVER A PERIOD OF YEARS

|               | Long Arches |            |            |            |            |            | Anterior<br>Arches Flat |       |
|---------------|-------------|------------|------------|------------|------------|------------|-------------------------|-------|
|               | 1st Degree  |            | 2nd Degree |            | 3rd Degree |            | Men                     | Women |
|               | Men<br>%    | Women<br>% | Men<br>%   | Women<br>% | Men<br>%   | Women<br>% |                         |       |
| Class of 1937 | 14.3        | 32.9       | 7.1        | 12.3       | 2.4        | 2.72       | 22.2                    | 34.5  |
| Class of 1938 | 15.82       | 25.21      | 6.98       | 7.84       | 2.36       | 1.68       | 18.98                   | 20.49 |
| Class of 1939 | 11.92       | 32.16      | 5.52       | 7.03       | 2.46       | 1.98       | 14.47                   | 7.17  |
| Class of 1940 | 7.84        | 27.83      | 2.26       | 9.95       | 1.08       | 2.08       | 10.29                   | 29.01 |
| Class of 1941 | 10.49       | 25.39      | 5.40       | 12.76      | 1.39       | 4.60       | 10.28                   | 34.89 |
| Class of 1942 | 9.92        | 27.21      | 5.49       | 10.94      | 1.62       | 2.70       | 9.78                    | 2.96  |
| Class of 1943 | 9.04        | 23.52      | 6.39       | 13.76      | 1.29       | 4.36       | 7.46                    | 35.50 |
| Class of 1944 | 12.55       | 25.03      | 10.12      | 12.62      | 1.73       | 4.95       | 14.97                   | 32.07 |
| Class of 1945 | 13.92       | 23.85      | 7.70       | 8.59       | 2.12       | 6.67       | 16.42                   | 34.00 |
| Class of 1946 | 11.69       | 28.24      | 5.64       | 9.79       | .78        | 7.90       | 10.79                   | 30.60 |
| Class of 1947 | 14.33       | 35.26      | 10.11      | 8.57       | 1.73       | 1.79       | 16.83                   | 39.38 |

Table XXXII

## SPINE ABNORMALITIES

|           | 1946 |       | 1947 |     |       |      | Total |      |
|-----------|------|-------|------|-----|-------|------|-------|------|
|           | Men  | Women | Men  |     | Women |      | Total |      |
|           | %    | %     | No.  | %   | No.   | %    | No.   | %    |
| Kyphosis  | .43  | 1.75  | 13   | .98 | 19    | 1.17 | 32    | 1.07 |
| Lordosis  | .08  | 2.82  | 4    | .30 | 18    | 1.11 | 22    | .74  |
| Scoliosis | .58  | 4.77  | 6    | .45 | 153   | 9.43 | 159   | 5.35 |

Table XXXIII

## NOSE ABNORMALITIES

|                | 1946 |       | 1947 |      |       |      | Total |      |
|----------------|------|-------|------|------|-------|------|-------|------|
|                | Men  | Women | Men  |      | Women |      | Total |      |
|                | %    | %     | No.  | %    | No.   | %    | No.   | %    |
| Spur           | 1.04 | 2.44  | 10   | .75  | 4     | .24  | 14    | .47  |
| Deviate Septum | 8.90 | 8.16  | 53   | 4.00 | 103   | 6.35 | 156   | 5.25 |
| Atrophied      | .14  |       |      |      | 7     | .43  | 7     | .23  |
| Hypertrophy    | 1.54 | 5.71  | 11   | .83  | 102   | 6.28 | 113   | 3.80 |



Table XXXIV

## THROAT ABNORMALITIES

|              | 1946  |       | 1947 |       |       |       |       |       |
|--------------|-------|-------|------|-------|-------|-------|-------|-------|
|              | Men   | Women | Men  |       | Women |       | Total |       |
|              | %     | %     | No.  | %     | No.   | %     | No.   | %     |
| TONSILS:     |       |       |      |       |       |       |       |       |
| Removed      | 50.58 | 62.33 | 837  | 65.43 | 881   | 54.93 | 1718  | 57.80 |
| Tags         | 4.85  | 12.93 | 21   | 1.66  | 119   | 7.33  | 140   | 4.7   |
| Pathological | 2.12  | 9.16  | 24   | 1.81  | 198   | 12.45 | 222   | 7.17  |

Table XXXV

## PERCENTAGE OF STUDENTS WITH TONSILS REMOVED OVER A PERIOD OF YEARS

|               | Men   | Women |               | Men   | Women |
|---------------|-------|-------|---------------|-------|-------|
| Class of 1934 | 42.41 | 41.1  | Class of 1941 | 51.51 | 59.71 |
| Class of 1935 | 45.4  | 52.2  | Class of 1942 | 50.0  | 59.62 |
| Class of 1936 | 44.0  | 50.1  | Class of 1943 | 48.55 | 46.52 |
| Class of 1937 | 45.3  | 52.1  | Class of 1944 | 57.10 | 64.01 |
| Class of 1938 | 52.19 | 57.19 | Class of 1945 | 54.97 | 63.11 |
| Class of 1939 | 49.20 | 56.26 | Class of 1946 | 55.81 | 62.33 |
| Class of 1940 | 46.59 | 57.54 | Class of 1947 | 65.43 | 54.93 |

Table XXXVI

## EARS

|                  | 1946  |       | 1947 |       |       |       |       |       |
|------------------|-------|-------|------|-------|-------|-------|-------|-------|
|                  | Men   | Women | Men  |       | Women |       | Total |       |
|                  | %     | %     | No.  | %     | No.   | %     | No.   | %     |
| Perforated       | .64   | .25   | 42   | 3.17  | 14    | .87   | 56    | 1.88  |
| Cerumen          | 43.74 | 19.46 | 309  | 23.32 | 265   | 16.34 | 574   | 19.31 |
| Hearing abnormal | .40   | .75   | 12   | .90   | 12    | .74   | 24    | .81   |





Table XXXVII

## EYES

|              | 1946     |          | 1947       |          |            |          | Total      |          |
|--------------|----------|----------|------------|----------|------------|----------|------------|----------|
|              | Men      | Women    | Men        |          | Women      |          | Total      |          |
|              | <u>%</u> | <u>%</u> | <u>No.</u> | <u>%</u> | <u>No.</u> | <u>%</u> | <u>No.</u> | <u>%</u> |
| Abnormal     |          |          |            |          |            |          |            |          |
| Color vision | .03      |          | 15         | 1.13     | 3          | .18      | 18         | .65      |
| Refraction   |          |          |            |          |            |          |            |          |
| O.D. only    | 3.14     | 6.65     | 37         | 2.79     | 81         | 4.98     | 118        | 3.30     |
| O.S. only    | 3.95     | 6.46     | 57         | 4.30     | 63         | 3.88     | 120        | 4.60     |
| O.D. & O.S.  | 19.48    | 24.79    | 390        | 29.43    | 275        | 16.96    | 665        | 25.24    |
| Corrected    |          |          |            |          |            |          |            |          |
| with glasses | 21.02    | 16.82    | 247        | 18.64    | 262        | 16.15    | 509        | 17.12    |

Table XXXVIII

## Posture

|             | 1946     |          | 1947       |          |            |          | Total      |          |
|-------------|----------|----------|------------|----------|------------|----------|------------|----------|
|             | Men      | Women    | Men        |          | Women      |          | Total      |          |
|             | <u>%</u> | <u>%</u> | <u>No.</u> | <u>%</u> | <u>No.</u> | <u>%</u> | <u>No.</u> | <u>%</u> |
| Restricted  |          |          |            |          |            |          |            |          |
| flexibility | .09      | 1.38     |            |          | 84         | 5.18     | 84         | 2.82     |
| Excellent   |          | 1.06     | 3          | .22      | 81         | 4.98     | 84         | 2.82     |
| Good        | 72.16    | 89.76    | 1311       | 97.65    | 1244       | 76.69    | 2555       | 85.94    |
| Fair        | 23.70    | 8.16     | 33         | 2.49     | 273        | 16.83    | 306        | 10.63    |
| Poor        | .58      | .37      | 3          | .22      | 23         | 1.41     | 26         | .88      |

Table XXXIX

## INCIDENCE OF HISTORY OF VENEREAL DISEASE

1947

|           | Men        |          | Women      |          | Total      |          |
|-----------|------------|----------|------------|----------|------------|----------|
|           | <u>No.</u> | <u>%</u> | <u>No.</u> | <u>%</u> | <u>No.</u> | <u>%</u> |
| Gonorrhea | ---        |          | ---        |          | ---        |          |
| Syphilis  | ---        |          | ---        |          | ---        |          |
| Chancroid | ---        |          | ---        |          | ---        |          |

The first part of the paper discusses the importance of maintaining accurate records of all transactions. It is essential for the company to have a clear and concise system in place to ensure that all data is properly recorded and stored. This will allow for easy access and retrieval of information when needed.

The second part of the paper focuses on the importance of regular communication and collaboration between all team members. It is crucial for everyone to stay informed about the latest developments and to be able to share their own insights and experiences. This will help to ensure that the team is working together effectively and efficiently.

The third part of the paper discusses the importance of maintaining a high level of security for all data. It is essential to implement strong security measures to protect against unauthorized access and data loss. This will help to ensure that the company's information is kept safe and secure.

The fourth part of the paper discusses the importance of maintaining a high level of transparency in all business dealings. It is essential to be open and honest with all stakeholders, including customers, suppliers, and investors. This will help to build trust and credibility for the company.

The fifth part of the paper discusses the importance of maintaining a high level of flexibility in all business operations. It is essential to be able to adapt to changing circumstances and to be able to respond quickly to new opportunities and challenges. This will help to ensure that the company is able to stay competitive in a rapidly changing market.

The sixth part of the paper discusses the importance of maintaining a high level of innovation in all business activities. It is essential to be able to think creatively and to come up with new ideas and solutions. This will help to ensure that the company is able to stay ahead of the competition and to continue to grow and expand.

The seventh part of the paper discusses the importance of maintaining a high level of customer service. It is essential to be able to provide excellent service to all customers and to be able to resolve any issues quickly and effectively. This will help to ensure that the company is able to build a strong and loyal customer base.

The eighth part of the paper discusses the importance of maintaining a high level of employee satisfaction. It is essential to be able to create a positive and supportive work environment for all employees. This will help to ensure that the company is able to attract and retain the best talent and to maintain a high level of productivity.

Table XL

## INCIDENCE OF VACCINATION SCARS

|      | 1947       |              |              |
|------|------------|--------------|--------------|
|      | <u>Men</u> | <u>Women</u> | <u>Total</u> |
| Arm  | 1186       | 1258         | 2444         |
| Leg  | 8          | 169          | 177          |
| None | 156        | 195          | 351          |

Table XLI

## SKIN DISEASES

|         | Men        |          | 1947<br>Women |          | Total      |          |
|---------|------------|----------|---------------|----------|------------|----------|
|         | <u>No.</u> | <u>%</u> | <u>No.</u>    | <u>%</u> | <u>No.</u> | <u>%</u> |
| Acne    | 133        | 10.03    | 450           | 27.74    | 583        | 19.62    |
| Mycosis | 114        | 8.60     | 20            | 1.24     | 134        | 4.51     |
| Others  | 4          | .30      | 9             | .55      | 13         | .44      |







APPENDIX C

SUMMARY OF MEDICAL HISTORIES





Table I

## SUMMARY OF MEDICAL HISTORIES

|                                         | Men  | Women | Class of '47<br>Total | Class of '46<br>Total |
|-----------------------------------------|------|-------|-----------------------|-----------------------|
| Total number examined                   | 1550 | 1522  | 2972                  | 5031                  |
| Total number re-examined                | 877  | 1054  | 1931                  | 3049                  |
| Hereditary disease                      |      |       |                       |                       |
| Apoplexy (family history)               | 1    | 31    | 32                    | 26                    |
| Cancer ( " " )                          | 84   | 220   | 304                   | 428                   |
| Goiter ( " " )                          | 30   | 98    | 128                   | 186                   |
| Mental disturbances<br>(family history) | 10   | 20    | 30                    | 45                    |
| Diabetes ( " " )                        | 69   | 155   | 224                   | 345                   |
| Epilepsy ( " " )                        | 1    | 7     | 8                     | 12                    |
| Kidney disease<br>(family history)      | 20   | 59    | 79                    | 94                    |
| Tuberculosis<br>(family history)        | 41   | 102   | 143                   | 349                   |
| Birthplace                              |      |       |                       |                       |
| Illinois                                | 1018 | 1296  | 2314                  | 3795                  |
| Elsewhere                               | 332  | 326   | 658                   | 1236                  |
| Work for self-support<br>during college | 515  | 213   | 728                   | 1902                  |
| Use laxatives frequently                | 7    | 42    | 49                    | 116                   |
| Sleep                                   |      |       |                       |                       |
| Under 6 hours                           | 4    | 2     | 6                     | 16                    |
| 6-7 hours                               | 133  | 327   | 460                   | 562                   |
| 8-9 hours                               | 1155 | 1223  | 2378                  | 4240                  |
| 10 hours and over                       | 58   | 70    | 128                   | 213                   |
| Habits                                  |      |       |                       |                       |
| Coffee                                  | 495  | 738   | 1233                  | 1911                  |
| Tea                                     | 3337 | 622   | 979                   | 1489                  |
| Tobacco                                 | 414  | 463   | 877                   | 1469                  |
| None of the three                       | 416  | 408   | 824                   | 1769                  |
| Age started smoking                     |      |       |                       |                       |
| Younger than 10 years                   | -    | 1     | 1                     | 4                     |
| 10-14 years                             | 9    | 26    | 35                    | 67                    |
| 15-19 years                             | 319  | 424   | 743                   | 1347                  |
| 20-24 years                             | 31   | 17    | 48                    | 79                    |
| 25 years and over                       | 5    | -     | 5                     | 14                    |
| Meals per day                           |      |       |                       |                       |
| One                                     | 1    | 2     | 3                     | 1                     |
| Two                                     | 27   | 94    | 121                   | 121                   |
| Three                                   | 1310 | 1510  | 2820                  | 4894                  |
| More than three                         | 12   | 16    | 28                    | 14                    |
| Weight the past year                    |      |       |                       |                       |
| Gained                                  | 595  | 394   | 989                   | 1778                  |
| Lost                                    | 78   | 302   | 380                   | 546                   |
| Stationary                              | 677  | 926   | 1603                  | 2707                  |



Table I (Continued)

|                              | <u>Men</u> | <u>Women</u> | Class of '47<br><u>Total</u> | Class of '46<br><u>Total</u> |
|------------------------------|------------|--------------|------------------------------|------------------------------|
| Easily fatigued              | 102        | 255          | 357                          | 190                          |
| Subject to frequent colds in |            |              |                              |                              |
| Nose                         | 146        | 41           | 187                          | 1030                         |
| Throat                       | 48         | 150          | 198                          | 254                          |
| Lungs                        | 24         | 13           | 37                           | 46                           |
| After reading, bothered with |            |              |                              |                              |
| Headaches                    | 35         | 141          | 176                          | 224                          |
| Blurring of vision           | 45         | 112          | 157                          | 139                          |
| Tearing of eyes              | 45         | 82           | 127                          | 128                          |
| Stinging of eyes             | 19         | 58           | 77                           | 80                           |
| Itching of eyes              | 57         | 67           | 124                          | 110                          |
| Swelling of eyes             | 19         | 42           | 61                           | 60                           |
| Persistently worry           | 22         | 55           | 77                           | 29                           |
| Have the "blues"             | 18         | 96           | 114                          | 107                          |
| Injuries                     |            |              |                              |                              |
| Head                         | 44         | 17           | 61                           | 213                          |
| Chest                        | 24         | -            | 24                           | 95                           |
| Abdomen                      | 8          | 4            | 12                           | 22                           |
| Arm                          | 171        | 65           | 236                          | 502                          |
| Leg                          | 97         | 14           | 111                          | 489                          |
| Others                       | 115        | 71           | 186                          | 110                          |
| Operations                   |            |              |                              |                              |
| Head                         |            |              |                              |                              |
| Tonsils                      | 481        | 111          | 592                          | 2526                         |
| Adenoids                     | 101        | 51           | 152                          | 1461                         |
| Others                       | 66         | 33           | 99                           | 139                          |
| Chest                        | 26         | 6            | 32                           | 7                            |
| Abdomen                      | 171        | 151          | 322                          | 584                          |
| Circumcision                 | 109        | -            | 109                          | 830                          |
| Others                       | 386        | 46           | 432                          | 150                          |
| Arches of feet painful       | 34         | 13           | 47                           | 24                           |
| Possible reasons for not     |            |              |                              |                              |
| taking Physical Education    | 237        | 43           | 270                          | 157                          |
| Military Science             | 291        | -            | 291                          | 68                           |
| Diseases had                 |            |              |                              |                              |
| Appendicitis                 | 148        | 246          | 394                          | 567                          |
| Asthma                       | 51         | 50           | 101                          | 99                           |
| Chickenpox                   | 770        | 1099         | 1869                         | 3121                         |
| Chorea                       | 2          | 9            | 11                           | 11                           |
| Constipation                 | 11         | 70           | 81                           | 108                          |
| Diabetes                     | 4          | 7            | 11                           | 11                           |
| Diphtheria                   | 58         | 55           | 113                          | 169                          |
| Discharging ear              | 58         | 79           | 137                          | 228                          |
| Dysentery                    | 9          | 23           | 32                           | 28                           |
| Epilepsy                     | -          | 2            | 2                            | 4                            |
| Heart trouble                | 447        | 36           | 483                          | 107                          |
| Hay Fever                    | 107        | 127          | 234                          | 311                          |
| Hernia                       | 54         | 8            | 62                           | 112                          |
| Infantile paralysis          | 18         | 11           | 29                           | 40                           |
| Influenza                    | 153        | 243          | 396                          | 603                          |



Table I (Continued)

|                       | <u>Men</u> | <u>Women</u> | <u>Class of '47<br/>Total</u> | <u>Class of '46<br/>Total</u> |
|-----------------------|------------|--------------|-------------------------------|-------------------------------|
| Diseases had (Cont'd) |            |              |                               |                               |
| Kidney trouble        | 16         | 53           | 69                            | 101                           |
| Malaria               | 16         | 30           | 46                            | 75                            |
| Measles               | 939        | 1187         | 2126                          | 3975                          |
| German measles        | 389        | 593          | 982                           | 1470                          |
| Meningitis            | 7          | 3            | 10                            | 12                            |
| Mumps                 | 692        | 785          | 1477                          | 2581                          |
| Nervous breakdown     | 4          | 12           | 16                            | 31                            |
| Pleurisy              | 19         | 36           | 55                            | 82                            |
| Pneumonia             | 176        | 151          | 327                           | 474                           |
| Rheumatism            | 25         | 60           | 85                            | 108                           |
| Scarlet fever         | 258        | 274          | 532                           | 950                           |
| Sinusitis             | 78         | 72           | 150                           | 176                           |
| Smallpox              | 39         | 43           | 82                            | 97                            |
| Tonsillitis           | 326        | 351          | 677                           | 1013                          |
| Trachoma              | 2          | 2            | 4                             | 3                             |
| Tuberculosis          | 8          | 5            | 13                            | 20                            |
| Typhoid fever         | 8          | 3            | 11                            | 39                            |
| Undulant fever        | 5          | 2            | 7                             | 9                             |
| Whooping cough        | 574        | 912          | 1486                          | 2485                          |
| Others                | 42         | 47           | 89                            | 465                           |
| Immunizations         |            |              |                               |                               |
| Diphtheria            | 686        | 695          | 1381                          | 2298                          |
| Scarlet fever         | 366        | 459          | 825                           | 1040                          |
| Smallpox              | 901        | 1247         | 2148                          | 3529                          |
| Typhoid fever         | 344        | 337          | 681                           | 796                           |
| Tests                 |            |              |                               |                               |
| Schick                | 457        | 575          | 1032                          | 1626                          |
| Dick                  | 271        | 280          | 551                           | 793                           |

Table II

## SUMMARY OF PHYSICAL EXAMINATIONS

|               | <u>Men</u> | <u>Women</u> | <u>Class of '47<br/>Total</u> | <u>Class of '46<br/>Total</u> |
|---------------|------------|--------------|-------------------------------|-------------------------------|
| Color of hair |            |              |                               |                               |
| Flaxen        | 64         | 180          | 244                           | 527                           |
| Reddish       | 33         | 85           | 118                           | 174                           |
| Light brown   | 2222       | 378          | 600                           | 1051                          |
| Dark brown    | 289        | 358          | 647                           | 1048                          |
| Brown         | 557        | 442          | 999                           | 1502                          |
| Black         | 185        | 179          | 364                           | 729                           |
| Gray          | -          | -            | -                             | -                             |
| Bald          | -          | -            | -                             | -                             |



Table II (Continued)

|                                 | <u>Men</u> | <u>Women</u> | <u>Class of '47<br/>Total</u> | <u>Class of '46<br/>Total</u> |
|---------------------------------|------------|--------------|-------------------------------|-------------------------------|
| Color of eyes                   |            |              |                               |                               |
| Black                           | 19         | 36           | 55                            | 133                           |
| Blue                            | 425        | 491          | 916                           | 1952                          |
| Gray                            | 90         | 118          | 208                           | 251                           |
| Greenish                        | 76         | 202          | 278                           | 360                           |
| Hazel                           | 155        | 272          | 427                           | 590                           |
| Brown                           | 585        | 503          | 1088                          | 1745                          |
| Vision abnormal without glasses |            |              |                               |                               |
| <del>Both eyes</del>            | 390        | 275          | 665                           | 1065                          |
| Right eye (O.D.)                | 37         | 81           | 118                           | 215                           |
| Left eye (O.S.)                 | 57         | 63           | 120                           | 239                           |
| Corrected with glasses          | 247        | 262          | 509                           | 991                           |
| Color vision abnormal           | 15         | 3            | 18                            | 1                             |
| Ears                            |            |              |                               |                               |
| Right ear                       |            |              |                               |                               |
| Cerumen                         | 169        | 146          | 315                           | 1068                          |
| Perforated drum                 | 23         | 7            | 30                            | 17                            |
| Hearing abnormal                | 7          | 10           | 17                            | 15                            |
| Left ear                        |            |              |                               |                               |
| Cerumen                         | 140        | 119          | 259                           | 746                           |
| Perforated drum                 | 19         | 7            | 26                            | 9                             |
| Hearing abnormal                | 5          | 2            | 7                             | 11                            |
| Nose                            |            |              |                               |                               |
| Spur                            | 10         | 4            | 14                            | 75                            |
| Deviation                       | 53         | 103          | 156                           | 436                           |
| Chronic hypertrophy             | 11         | 102          | 113                           | 144                           |
| Atrophy                         | -          | 7            | 7                             | 5                             |
| Tonsils                         |            |              |                               |                               |
| Removed                         | 837        | 881          | 1718                          | 2912                          |
| Tags                            | 21         | 119          | 140                           | 375                           |
| Pathological                    | 24         | 198          | 222                           | 221                           |
| Teeth                           |            |              |                               |                               |
| No cavities or absent           | 729        | 528          | 1257                          | 1600                          |
| Cavities                        | 79         | 110          | 189                           | 453                           |
| Absent                          | 400        | 656          | 1056                          | 2408                          |
| Need cleaning                   | 11         | 45           | 56                            | 447                           |
| Devitalized                     | 3          | 10           | 13                            | 93                            |
| Gums diseased                   | 2          | 8            | 10                            | 21                            |
| Weight                          |            |              |                               |                               |
| Below 100 pounds                |            | 99           |                               |                               |
| 100-115 pounds                  |            | 471          |                               |                               |
| 116-130 pounds                  |            | 549          |                               |                               |
| 131-145 pounds                  |            | 339          |                               |                               |
| 146-160 pounds                  |            | 106          |                               |                               |
| 161-175 pounds                  |            | 42           |                               |                               |
| 176-190 pounds                  |            | 11           |                               |                               |
| 191 and over                    |            | 5            |                               |                               |
| Height                          |            |              |                               |                               |
| Below 50 inches                 |            | 2            |                               |                               |
| 50-59 incl.                     |            | 92           |                               |                               |
| 60-62                           |            | 327          |                               |                               |





Table II (Continued)

|                        | Men  | Women | Class of '47<br>Total | Class of '46<br>Total |
|------------------------|------|-------|-----------------------|-----------------------|
| Height (Continued)     |      |       |                       |                       |
| 63-65                  | .    | 622   |                       |                       |
| 66-68                  |      | 458   |                       |                       |
| 69-71                  |      | 108   |                       |                       |
| 72-over                |      | 13    |                       |                       |
| Skin                   |      |       |                       |                       |
| Acne                   | 133  | 450   | 583                   | 887                   |
| Mycosis                | 114  | 20    | 134                   | 686                   |
| Other skin diseases    | 4    | 9     | 13                    | 144                   |
| Vaccination scar       |      |       |                       |                       |
| Arm                    | 1186 | 1258  | 2444                  | 3751                  |
| Leg                    | 8    | 169   | 177                   | 373                   |
| None                   | 156  | 195   | 351                   | 907                   |
| General development    |      |       |                       |                       |
| Excellent              | 12   | 49    | 61                    | 32                    |
| Good                   | 1300 | 1464  | 2764                  | 4423                  |
| Fair                   | 31   | 102   | 133                   | 371                   |
| Poor                   | 7    | 7     | 14                    | 205                   |
| Build                  |      |       |                       |                       |
| Stocky                 | 143  | 166   | 309                   | 437                   |
| Medium                 | 983  | 1007  | 1990                  | 3546                  |
| Slender                | 224  | 449   | 673                   | 1048                  |
| Chest                  |      |       |                       |                       |
| Flat                   | 4    | 53    | 57                    | 89                    |
| Funnel                 | 12   | 39    | 51                    | 30                    |
| Pigeon                 | 1    | 23    | 24                    | 47                    |
| Vertebral column       |      |       |                       |                       |
| Kyphosis               | 13   | 19    | 32                    | 43                    |
| Lordosis               | 4    | 18    | 22                    | 48                    |
| Scoliosis              | 6    | 153   | 159                   | 96                    |
| Posture                |      |       |                       |                       |
| Excellent              | 3    | 81    | 84                    | 17                    |
| Good                   | 1311 | 1244  | 2555                  | 4027                  |
| Fair                   | 33   | 273   | 306                   | 955                   |
| Poor                   | 3    | 23    | 26                    | 32                    |
| Restricted flexibility |      | 84    | 84                    | 25                    |
| Lymph nodes            |      |       |                       |                       |
| Axillary               | 1    |       | 1                     | 33                    |
| Cervical               | 5    |       | 5                     | 85                    |
| Epitrochlear           | 1    |       | 1                     | 16                    |
| Inguinal               | 13   |       | 13                    | 172                   |
| Thyroid                |      |       |                       |                       |
| Enlarged               |      |       |                       |                       |
| Slight                 | 1    | 63    | 64                    | 120                   |
| Moderate               | 1    | 5     | 6                     | 19                    |
| Marked                 |      | 1     | 1                     |                       |
| Evidence of toxicity   | 1    | 2     | 3                     | 3                     |
| Lungs, abnormal        | 8    | 7     | 15                    | 4                     |
| Heart                  |      |       |                       |                       |
| Abnormal               | 15   | 7     | 22                    | 27                    |
| Irregular pulse        | 2    | 17    | 19                    | 6                     |
| Abdomen, abnormal      | 7    |       | 7                     | 2                     |



Table II (Continued)

|                      | <u>Men</u> | <u>Women</u> | <u>Class of '47</u><br><u>Total</u> | <u>Class of '46</u><br><u>Total</u> |
|----------------------|------------|--------------|-------------------------------------|-------------------------------------|
| Reflexes             |            |              |                                     |                                     |
| Patellar             | 2          | 18           | 20                                  | 13                                  |
| Romberg              | 1          | 16           | 17                                  | 1                                   |
| Pupillary            |            | 4            | 4                                   | 1                                   |
| Penis, circumcised   | 722        |              | 722                                 | 1710                                |
| Testes, abnormal     | 6          |              | 6                                   | 14                                  |
| Hernia, present      | 28         |              | 28                                  | 25                                  |
| Hemorrhoids, present |            | 1            | 1                                   | 2                                   |
| Varicocele, present  | 47         |              | 47                                  | 44                                  |
| Flat feet            |            |              |                                     |                                     |
| Long arches          |            |              |                                     |                                     |
| First degree         | 190        | 572          | 762                                 | 852                                 |
| Second degree        | 134        | 139          | 273                                 | 350                                 |
| Third degree         | 23         | 29           | 52                                  | 153                                 |
| Anterior arches flat | 223        | 647          | 870                                 | 860                                 |
| Abnormalities        | 2          | 1            | 3                                   |                                     |
| Had venereal disease |            |              |                                     |                                     |
| Gonorrhea            |            |              |                                     |                                     |
| Syphilis             |            |              |                                     |                                     |
| Chancroid            |            |              |                                     |                                     |
| Obvious defects      |            |              |                                     |                                     |
| Amputations          | 8          |              | 8                                   | 11                                  |
| Atrophies            | 5          |              | 5                                   | 14                                  |
| Unusual scars        | 84         | 21           | 105                                 | 529                                 |
| Deformities          | 12         | 11           | 23                                  | 56                                  |
| Urine                |            |              |                                     |                                     |
| Acid                 | 864        | 1075         | 1939                                | 3918                                |
| Alkaline             | 481        | 539          | 1020                                | 1100                                |
| Neutral              | 5          | 8            | 13                                  | 13                                  |
| Albumin              |            |              |                                     |                                     |
| Persistent           |            | 15           | 15                                  | 19                                  |
| Transitory           | 10         | 17           | 27                                  | 32                                  |
| Unclassified         | 15         | 9            | 24                                  | 159                                 |
| Sugar                |            |              |                                     |                                     |
| Persistent           |            | 2            | 2                                   |                                     |
| Transitory           | 7          | 3            | 10                                  |                                     |
| Unclassified         | 9          | 20           | 29                                  | 29                                  |
| Menses               |            |              |                                     |                                     |
| Regular              |            | 1292         | 1292                                | 1345                                |
| Irregular            |            | 329          | 329                                 | 246                                 |
| Not started          |            | 1            | 1                                   | 2                                   |
| Pain                 |            |              |                                     |                                     |
| Severe               |            | 92           | 92                                  | 277                                 |
| Slight               |            | 633          | 633                                 | 648                                 |







APPENDIX D  
SUMMARY OF MEDICAL HISTORIES  
DIVIDED BY  
OUT OF STATE - RURAL - URBAN

1944-1945

1944-1945

1944-1945

1944-1945



Table I

## SUMMARY OF MEDICAL HISTORIES

|                           | Out of<br>State |       | Rural |       | Urban |       | Total |       | Class<br>of<br>'46 |
|---------------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|--------------------|
|                           | Men             | Women | Men   | Women | Men   | Women | Men   | Women |                    |
| Total number examined     | 196             | 174   | 163   | 268   | 991   | 1180  | 1350  | 1622  | 503 <sup>+</sup>   |
| Total number re-examined  | 38              |       | 108   |       |       |       |       |       | 304 <sup>9</sup>   |
| Inheritable diseases      |                 |       |       |       |       |       |       |       |                    |
| Apoplexy (family history) | 1               | 2     |       | 2     |       | 27    | 1     | 31    | 26                 |
| Cancer ( " " )            | 16              | 18    | 12    | 47    | 56    | 155   | 84    | 220   | 482                |
| Goiter ( " " )            | 3               | 7     | 1     | 31    | 26    | 60    | 30    | 98    | 186                |
| Mental disturbances       |                 |       |       |       |       |       |       |       |                    |
| (family history)          | 1               | 5     | 3     | 6     | 6     | 9     | 10    | 20    | 45                 |
| Diabetes (family history) | 13              | 21    | 11    | 25    | 45    | 109   | 69    | 155   | 345                |
| Epilepsy ( " " )          |                 | 1     |       | 1     | 1     | 5     | 1     | 7     | 12                 |
| Kidney disease            |                 |       |       |       |       |       |       |       |                    |
| (family history)          | 1               | 7     | 4     | 5     | 15    | 47    | 20    | 59    | 94                 |
| Tuberculosis              |                 |       |       |       |       |       |       |       |                    |
| (family history)          | 5               | 5     | 8     | 27    | 28    | 70    | 41    | 102   | 277                |
| Birthplace                |                 |       |       |       |       |       |       |       |                    |
| Illinois                  | 10              | 58    | 147   | 240   | 861   | 998   | 1018  | 1296  | 3795               |
| Elsewhere                 | 186             | 116   | 16    | 28    | 130   | 182   | 332   | 326   | 1236               |
| Work for self-support     |                 |       |       |       |       |       |       |       |                    |
| during College            | 87              | 6     | 86    | 66    | 342   | 141   | 515   | 213   | 1902               |
| Use laxatives frequently  | 2               |       | 1     | 12    | 4     | 30    | 7     | 42    | 116                |
| Sleep                     |                 |       |       |       |       |       |       |       |                    |
| Under 6 hours             | 3               |       | 1     | 1     |       | 1     | 4     | 2     | 16                 |
| 6-7 hours                 | 34              | 57    | 10    | 51    | 89    | 219   | 133   | 327   | 562                |
| 8-9 hours                 | 156             | 101   | 142   | 205   | 857   | 917   | 1155  | 1223  | 4240               |
| 10 hours and over         | 3               | 16    | 10    | 11    | 45    | 43    | 58    | 70    | 213                |
| Habits                    |                 |       |       |       |       |       |       |       |                    |
| Coffee                    | 97              | 66    | 52    | 115   | 346   | 557   | 495   | 738   | 1911               |
| Tea                       | 61              | 22    | 36    | 102   | 260   | 498   | 357   | 622   | 1489               |
| Tobacco                   | 72              | 44    | 26    | 39    | 316   | 380   | 414   | 463   | 1469               |
| None of the three         | 37              | 30    | 41    | 96    | 338   | 282   | 416   | 408   | 1769               |
| Age started smoking       |                 |       |       |       |       |       |       |       |                    |
| Younger than 10 years     |                 | 1     |       |       |       |       |       | 1     | 4                  |
| 10-14 years               | 1               | 20    |       | 1     | 8     | 5     | 9     | 26    | 67                 |
| 15-19 years               | 47              | 24    | 24    | 32    | 248   | 368   | 319   | 424   | 1347               |
| 20-24 years               | 19              |       | 1     | 6     | 11    | 11    | 31    | 17    | 79                 |
| 25 years and over         | 3               |       |       |       | 2     |       | 5     |       | 14                 |
| Meals per day             |                 |       |       |       |       |       |       |       |                    |
| One                       |                 | 2     |       |       | 1     |       | 1     | 2     | 1                  |
| Two                       | 5               | 36    | 2     | 10    | 20    | 48    | 27    | 94    | 121                |
| Three                     | 191             | 124   | 160   | 255   | 959   | 1131  | 1310  | 1510  | 4894               |
| More than three           |                 | 12    | 1     | 3     | 11    | 1     | 12    | 16    | 14                 |
| Weight the past year      |                 |       |       |       |       |       |       |       |                    |
| Gained                    | 72              | 33    | 79    | 69    | 444   | 292   | 595   | 394   | 1778               |
| Lost                      | 14              | 59    | 13    | 37    | 51    | 206   | 78    | 302   | 546                |
| Stationary                | 110             | 82    | 71    | 162   | 496   | 682   | 677   | 926   | 2707               |



Table I (Continued)

|                             | Out of State |       | Rural |       | Urban |       | Total |       | Class of '46 |
|-----------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|--------------|
|                             | Men          | Women | Men   | Women | Men   | Women | Men   | Women |              |
| Easily fatigues             | 23           | 3     | 9     | 37    | 70    | 215   | 102   | 255   | 190          |
| Subject to frequent colds   |              |       |       |       |       |       |       |       |              |
| Nose                        | 35           | 10    | 20    | 68    | 91    | 263   | 146   | 341   | 1030         |
| Throat                      | 7            | 6     | 9     | 34    | 32    | 110   | 48    | 150   | 254          |
| Lungs                       | 3            | 1     | 2     | 5     | 19    | 42    | 24    | 48    | 46           |
| When reading, bothered with |              |       |       |       |       |       |       |       |              |
| Headaches                   | 11           | 12    | 7     | 31    | 17    | 98    | 35    | 141   | 224          |
| Blurring of vision          | 10           | 25    | 6     | 20    | 29    | 67    | 45    | 112   | 139          |
| Burning of eyes             | 7            | 13    | 10    | 25    | 28    | 44    | 45    | 82    | 123          |
| Squinting of eyes           | 3            | 11    | 3     | 13    | 13    | 34    | 19    | 58    | 80           |
| Watering of eyes            | 9            | 13    | 5     | 8     | 43    | 46    | 57    | 67    | 110          |
| Twitching of eyes           | 6            | 5     | 4     | 9     | 9     | 28    | 19    | 42    | 60           |
| Persistently worry          | 4            | 1     | 1     | 11    | 17    | 43    | 22    | 55    | 29           |
| Have the "blues"            | 5            | 6     | 3     | 22    | 10    | 68    | 13    | 96    | 107          |
| Injuries                    |              |       |       |       |       |       |       |       |              |
| Head                        | 4            |       | 4     | 6     | 36    | 11    | 44    | 17    | 213          |
| Chest                       | 4            |       | 3     | 1     | 17    |       | 24    | 1     | 95           |
| Abdomen                     | 2            | 2     | 3     |       | 3     | 2     | 8     | 4     | 22           |
| Arm                         | 27           |       | 23    | 24    | 121   | 41    | 171   | 65    | 502          |
| Leg                         | 15           |       | 12    | 8     | 70    | 6     | 97    | 14    | 489          |
| Others                      | 18           |       | 11    | 17    | 86    | 60    | 115   | 71    | 110          |
| Operations                  |              |       |       |       |       |       |       |       |              |
| Head                        |              |       |       |       |       |       |       |       |              |
| Tonsils                     | 42           |       | 61    | 111   | 378   |       | 481   | 111   | 2526         |
| Adenoids                    | 10           |       | 15    | 9     | 76    | 42    | 101   | 51    | 1461         |
| Others                      | 17           |       | 4     | 7     | 45    | 26    | 66    | 33    | 139          |
| Chest                       |              |       | 20    |       | 6     | 6     | 26    | 5     | 7            |
| Abdomen                     | 21           | 3     | 20    | 34    | 130   | 114   | 171   | 151   | 584          |
| Circumcision                | 42           |       |       |       | 67    |       | 109   |       | 830          |
| Others                      | 9            | 3     | 9     | 15    | 68    | 28    | 86    | 46    | 150          |
| Arches of feet painful      | 7            | 1     | 1     | 9     | 26    | 3     | 34    | 13    | 24           |
| Possible reasons for not    |              |       |       |       |       |       |       |       |              |
| Taking Physical Education   | 62           | 2     | 20    | 17    | 155   | 24    | 237   | 43    | 157          |
| Military Science            | 72           |       | 22    |       | 197   |       | 291   |       | 68           |
| Diseases had                |              |       |       |       |       |       |       |       |              |
| Appendicitis                | 18           | 28    | 21    | 40    | 109   | 178   | 148   | 246   | 567          |
| Asthma                      | 11           | 13    | 3     | 7     | 37    | 30    | 51    | 50    | 99           |
| Chickenpox                  | 101          | 107   | 103   | 197   | 566   | 795   | 770   | 1099  | 3121         |
| Chorea                      |              |       |       | 2     | 2     | 7     | 2     | 9     | 11           |
| Constipation                | 2            | 3     | 1     | 14    | 8     | 53    | 11    | 70    | 108          |
| Diabetes                    |              |       | 1     |       | 3     | 7     | 4     | 7     | 11           |
| Diphtheria                  | 6            | 2     | 3     | 7     | 49    | 46    | 58    | 55    | 163          |
| Discharging ear             | 10           | 3     | 6     | 18    | 42    | 58    | 58    | 79    | 228          |
| Dysentery                   | 3            | 2     |       | 4     | 6     | 17    | 9     | 23    | 28           |
| Epilepsy                    |              |       |       | 1     |       | 1     |       | 2     | 4            |
| Heart trouble               | 9            | 1     | 6     | 7     | 32    | 29    | 47    | 36    | 107          |
| Hay fever                   | 19           | 1     | 11    | 21    | 77    | 105   | 107   | 127   | 311          |









Table II (Continued)

|                                 | Out of State |       | Rural |       | Urban |       | Total |       | Class of '46 |
|---------------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|--------------|
|                                 | Men          | Women | Men   | Women | Men   | Women | Men   | Women |              |
| Color of eyes                   |              |       |       |       |       |       |       |       |              |
| Black                           | 3            | 25    |       | 2     | 16    | 9     | 19    | 36    | 133          |
| Blue                            | 53           | 8     | 58    | 98    | 314   | 385   | 425   | 491   | 1952         |
| Gray                            | 13           | 29    | 20    | 18    | 57    | 71    | 90    | 118   | 251          |
| Greenish                        | 11           | 29    | 9     | 39    | 56    | 134   | 76    | 202   | 360          |
| Hazel                           | 21           | 54    | 23    | 26    | 111   | 192   | 155   | 272   | 590          |
| Brown                           | 96           | 29    | 53    | 85    | 436   | 389   | 585   | 503   | 1745         |
| Vision abnormal without glasses |              |       |       |       |       |       |       |       |              |
| Both eyes                       | 65           | 3     | 38    | 54    | 287   | 218   | 390   | 275   | 1065         |
| Right eye (O.D.)                | 6            | 15    |       | 13    | 31    | 53    | 37    | 81    | 215          |
| Left eye (O.S.)                 | 11           | 6     | 4     | 7     | 42    | 52    | 57    | 63    | 239          |
| Corrected with glasses          | 35           | 5     | 30    | 54    | 182   | 203   | 247   | 262   | 991          |
| Color vision abnormal           | 7            |       | 1     | 3     | 7     |       | 15    | 3     | 1            |
| Ears                            |              |       |       |       |       |       |       |       |              |
| Right ear                       |              |       |       |       |       |       |       |       |              |
| Cerumen                         | 23           |       | 27    | 44    | 119   | 102   | 169   | 146   | 1068         |
| Perforated drum                 | 1            | 1     | 2     | 2     | 20    | 4     | 23    | 7     | 17           |
| Hearing abnormal                |              |       | 1     | 4     | 6     | 6     | 7     | 10    | 15           |
| Left ear                        |              |       |       |       |       |       |       |       |              |
| Cerumen                         | 22           | 3     | 15    | 33    | 103   | 83    | 140   | 119   | 746          |
| Perforated drum                 | 3            | 1     | 1     |       | 15    | 6     | 19    | 7     | 9            |
| Hearing abnormal                | 1            |       | 1     | 2     | 3     |       | 5     | 2     | 11           |
| Nose                            |              |       |       |       |       |       |       |       |              |
| Spur                            | 3            | 1     |       | 2     | 7     | 1     | 10    | 4     | 75           |
| Deviation                       | 6            | 1     | 5     | 29    | 42    | 73    | 53    | 103   | 436          |
| Chronic hypertrophy             | 1            | 2     | 1     | 24    | 9     | 76    | 11    | 102   | 144          |
| Atrophy                         |              | 1     |       |       |       | 6     |       | 7     | 5            |
| Tonsils                         |              |       |       |       |       |       |       |       |              |
| Removed                         | 106          | 91    | 81    | 112   | 650   | 670   | 837   | 881   | 2912         |
| Tags                            | 4            | 11    |       | 29    | 17    | 79    | 21    | 119   | 375          |
| Pathological                    | 4            | 11    | 4     | 48    | 16    | 139   | 24    | 198   | 221          |
| Teeth                           |              |       |       |       |       |       |       |       |              |
| No cavities or absent           | 90           | 30    | 92    | 45    | 547   | 453   | 729   | 528   | 1600         |
| Cavities                        | 16           | 23    | 9     | 34    | 54    | 53    | 79    | 110   | 453          |
| Absent                          | 64           | 10    | 51    | 102   | 285   | 544   | 400   | 656   | 2408         |
| Need cleaning                   | 3            | 2     | 1     | 28    | 7     | 15    | 11    | 45    | 447          |
| Devitalized                     |              |       | 1     | 3     | 2     | 7     | 3     | 10    | 93           |
| Gums diseased                   | 1            |       |       | 7     | 1     | 1     | 2     | 8     | 21           |
| Weight                          |              |       |       |       |       |       |       |       |              |
| Below 100 pounds                |              | 7     |       | 18    |       | 74    |       | 99    |              |
| 100-115 pounds                  |              | 38    |       | 79    |       | 354   |       | 471   |              |
| 116-130 pounds                  |              | 49    |       | 89    |       | 411   |       | 549   |              |
| 131-145 pounds                  |              | 44    |       | 47    |       | 248   |       | 339   |              |
| 146-160 pounds                  |              | 20    |       | 23    |       | 63    |       | 106   |              |
| 161-175 pounds                  |              | 16    |       | 9     |       | 17    |       | 42    |              |
| 176-190 pounds                  |              |       |       | 3     |       | 8     |       | 11    |              |
| 191-over                        |              |       |       |       |       | 5     |       | 5     |              |





Table II (Continued)

|                        | Out of State |       | Rural |       | Urban |       | Total |       | Class of 146 |
|------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|--------------|
|                        | Men          | Women | Men   | Women | Men   | Women | Men   | Women |              |
| Height                 |              |       |       |       |       |       |       |       |              |
| Below 50 inches        |              | 2     |       |       |       |       |       | 2     |              |
| 50-59 incl.            |              | 47    |       | 12    |       | 33    |       | 92    |              |
| 60-62                  |              | 44    |       | 62    |       | 221   |       | 327   |              |
| 63-65                  |              | 41    |       | 108   |       | 473   |       | 622   |              |
| 66-68                  |              | 30    |       | 71    |       | 357   |       | 458   |              |
| 69-71                  |              | 9     |       | 12    |       | 87    |       | 108   |              |
| 72-over                |              | 1     |       | 3     |       | 9     |       | 13    |              |
| Skin                   |              |       |       |       |       |       |       |       |              |
| Acne                   | 17           | 20    | 19    | 96    | 97    | 334   | 133   | 450   | 887          |
| Mycosis                | 22           |       | 19    | 14    | 73    | 6     | 114   | 20    | 686          |
| Other skin diseases    |              |       | 2     | 8     | 2     | 1     | 4     | 9     | 44           |
| Vaccination scar       |              |       |       |       |       |       |       |       |              |
| Arm                    | 180          | 77    | 135   | 163   | 871   | 1018  | 1186  | 1258  | 3751         |
| Leg                    | 2            | 68    | 1     | 59    | 5     | 42    | 8     | 169   | 373          |
| None                   | 14           | 29    | 27    | 46    | 115   | 120   | 156   | 195   | 907          |
| General development    |              |       |       |       |       |       |       |       |              |
| Excellent              | 2            | 18    | 1     | 10    | 9     | 21    | 12    | 49    | 32           |
| Good                   | 189          | 112   | 157   | 239   | 954   | 1113  | 1300  | 1464  | 4423         |
| Fair                   | 4            | 38    | 4     | 19    | 23    | 45    | 31    | 102   | 371          |
| Poor                   | 1            | 6     | 1     |       | 5     | 1     | 7     | 7     | 205          |
| Build                  |              |       |       |       |       |       |       |       |              |
| Stocky                 | 19           | 16    | 15    | 24    | 109   | 126   | 143   | 166   | 437          |
| Medium                 | 134          | 102   | 115   | 174   | 734   | 731   | 983   | 1007  | 3546         |
| Slender                | 43           | 56    | 33    | 70    | 148   | 323   | 224   | 449   | 1048         |
| Chest                  |              |       |       |       |       |       |       |       |              |
| Flat                   |              |       |       | 15    | 4     | 38    | 4     | 53    | 89           |
| Funnel                 | 7            |       | 2     | 17    | 3     | 22    | 12    | 39    | 30           |
| Pigeon                 |              |       |       | 4     | 1     | 19    | 1     | 23    | 47           |
| Vertebral Column       |              |       |       |       |       |       |       |       |              |
| Kyphosis               | 1            |       | 2     | 8     | 10    | 11    | 13    | 19    | 43           |
| Lordosis               |              | 5     | 1     | 7     | 3     | 7     | 4     | 18    | 48           |
| Scoliosis              |              | 4     | 2     | 39    | 4     | 110   | 6     | 153   | 96           |
| Posture                |              |       |       |       |       |       |       |       |              |
| Excellent              | 2            | 38    | 1     | 9     |       | 34    | 3     | 81    | 17           |
| Good                   | 190          | 103   | 155   | 208   | 966   | 933   | 1311  | 1244  | 4027         |
| Fair                   | 4            | 31    | 6     | 47    | 23    | 195   | 33    | 273   | 955          |
| Poor                   |              | 1     | 1     | 4     | 2     | 18    | 3     | 23    | 32           |
| Restricted flexibility |              |       | 1     | 12    |       | 72    |       | 84    | 25           |
| Lymph nodes            |              |       |       |       |       |       |       |       |              |
| Axillary               |              |       | 1     |       |       |       | 1     |       | 33           |
| Cervical               |              |       | 5     |       |       |       | 5     |       | 85           |
| Epitrochlear           |              |       |       |       | 1     |       | 1     |       | 16           |
| Inguinal               |              |       | 3     |       | 10    |       | 13    |       | 172          |
| Thyroid                |              |       |       |       |       |       |       |       |              |
| Enlarge                |              |       |       |       |       |       |       |       |              |
| Slight                 | 1            |       |       | 22    |       | 41    | 1     | 63    | 120          |
| Moderate               |              |       |       | 1     | 1     | 4     | 1     | 5     | 19           |
| Marked                 |              |       |       |       |       | 1     |       | 1     |              |



Table II (Continued)

|                      | Out of State |       | Rural |       | Urban |       | Total |       | Class of '46 |
|----------------------|--------------|-------|-------|-------|-------|-------|-------|-------|--------------|
|                      | Men          | Women | Men   | Women | Men   | Women | Men   | Women |              |
| Evidence of toxicity |              |       | 1     | 2     |       |       | 1     | 2     | 3            |
| Lungs, abnormal      | 1            |       | 1     | 2     | 6     | 5     | 8     | 7     | 4            |
| Heart                |              |       |       |       |       |       |       |       |              |
| Abnormal             | 3            |       | 2     | 2     | 10    | 5     | 15    | 7     | 27           |
| Irregular pulse      | 1            |       |       | 17    | 1     |       | 2     | 17    | 6            |
| Abdomen, abnormal    | 3            |       |       |       | 4     |       | 7     |       | 2            |
| Reflexes             |              |       |       |       |       |       |       |       |              |
| Patellar             |              | 18    | 1     |       | 1     |       | 2     | 18    | 13           |
| Romberg              |              | 16    |       |       | 1     |       | 1     | 16    | 1            |
| Pupillary            |              | 4     |       |       |       |       |       | 4     | 1            |
| Penis, circumcised   | 100          |       | 46    |       | 576   |       | 722   |       | 1710         |
| Testes, abnormal     | 2            |       | 2     |       | 2     |       | 6     |       | 14           |
| Hernia, present      | 2            |       | 1     |       | 25    |       | 28    |       | 25           |
| Hemorrhoids, present |              |       |       |       |       | 1     |       | 1     | 2            |
| Varicocele, present  | 4            |       | 4     |       | 39    |       | 47    |       | 44           |
| Flat feet            |              |       |       |       |       |       |       |       |              |
| Long arches          |              |       |       |       |       |       |       |       |              |
| First degree         | 32           | 8     | 22    | 163   | 136   | 401   | 190   | 572   | 852          |
| Second degree        | 13           |       | 15    |       | 106   | 139   | 134   | 139   | 350          |
| Third degree         | 6            |       | 1     |       | 16    | 29    | 23    | 29    | 153          |
| Anterior arches flat | 30           | 7     | 26    | 135   | 167   | 509   | 223   | 647   | 860          |
| Abnormalities        |              |       |       | 1     | 2     |       | 2     | 1     |              |
| Had venereal disease |              |       |       |       |       |       |       |       |              |
| Gonorrhea            |              |       |       |       |       |       |       |       |              |
| Syphilis             |              |       |       |       |       |       |       |       |              |
| Chancroid            |              |       |       |       |       |       |       |       |              |
| Obvious defects      |              |       |       |       |       |       |       |       |              |
| Amputations          | 2            |       | 1     |       | 5     |       | 8     |       | 11           |
| Atrophies            | 2            |       | 1     |       | 2     |       | 5     |       | 14           |
| Unusual scars        | 17           | 2     | 5     | 19    | 62    |       | 84    | 21    | 529          |
| Deformities          | 1            |       |       | 4     | 11    |       | 12    | 11    | 56           |
| Urine                |              |       |       |       |       |       |       |       |              |
| Acid                 | 111          | 104   | 105   | 173   | 648   | 798   | 864   | 1075  | 3918         |
| Alkaline             | 83           | 70    | 58    | 94    | 340   | 375   | 481   | 539   | 1100         |
| Neutral              | 1            |       |       | 1     | 4     | 7     | 5     | 8     | 13           |
| Albumin              |              |       |       |       |       |       |       |       |              |
| Persistent           |              | 1     |       | 1     |       | 13    |       | 15    | 19           |
| Transitory           | 2            |       |       | 1     | 8     | 16    | 10    | 17    | 32           |
| Unclassified         | 1            |       | 5     | 3     | 9     | 6     | 15    | 9     | 159          |
| Sugar                |              |       |       |       |       |       |       |       |              |
| Persistent           |              | 1     |       | 1     |       |       |       | 2     |              |
| Transitory           | 1            |       |       | 1     | 6     | 2     | 7     | 3     |              |
| Unclassified         | 1            |       | 2     | 2     | 6     | 18    | 9     | 20    | 29           |
| Menses               |              |       |       |       |       |       |       |       |              |
| Regular              |              | 113   |       | 219   |       | 960   |       | 1292  | 1345         |
| Irregular            |              | 60    |       | 49    |       | 220   |       | 329   | 246          |
| Not started          |              | 1     |       |       |       |       |       | 1     | 2            |
| Pain                 |              |       |       |       |       |       |       |       |              |
| Severe               |              | 32    |       | 35    |       | 215   |       | 92    | 277          |
| Slight               |              | 27    |       | 131   |       | 495   |       | 633   | 648          |



NORMAL DEVELOPMENT OF MEN STUDENTS  
DETERMINED BY MINIMUM STANDARDS  
OF THE WAR DEPARTMENT

| Height | Weight | Chest at<br>Expiration | Satisfactory |       |       | Total |
|--------|--------|------------------------|--------------|-------|-------|-------|
|        |        |                        | Urban        | Rural | Cut-S |       |
| 64     | 120    | 30                     | 16           | 3     | 5     | 24    |
| 65     | 121    | 30                     | 38           | 5     | 6     | 49    |
| 66     | 122    | 30 1/4                 | 71           | 10    | 15    | 96    |
| 67     | 124    | 30 1/2                 | 105          | 13    | 20    | 138   |
| 68     | 126    | 30 3/4                 | 116          | 16    | 30    | 162   |
| 69     | 128    | 31                     | 163          | 33    | 29    | 225   |
| 70     | 130    | 31 1/4                 | 131          | 18    | 25    | 174   |
| 71     | 133    | 31 3/4                 | 101          | 16    | 16    | 133   |
| 72     | 138    | 32 1/4                 | 75           | 12    | 10    | 97    |
| 73     | 143    | 32 3/4                 | 27           | 4     | 2     | 33    |
| 74     | 148    | 33 1/2                 | 8            | 4     |       | 12    |
| 75     | 155    | 34 1/4                 | 5            | 1     | 3     | 9     |
| 76     | 161    | 34 3/4                 |              |       | 2     | 2     |
| 77     | 168    | 35 1/4                 | 3            |       |       | 3     |
| 78     | 175    | 35 3/4                 |              |       |       |       |
| TOTALS |        |                        | 859          | 135   | 163   | 1157  |



SUBNORMAL DEVELOPMENT OF MEN STUDENTS  
AS DETERMINED BY MINIMUM STANDARDS  
OF THE WAR DEPARTMENT

| Height | Weight | Chest at<br>Expiration | Underweight |       |       |       | Underdev. Chest<br>and Underweight |       |       |       |
|--------|--------|------------------------|-------------|-------|-------|-------|------------------------------------|-------|-------|-------|
|        |        |                        | Urban       | Rural | Out-S | Total | Urban                              | Rural | Out-S | Total |
| 64     | 120    | 30                     | 4           | 2     | 1     | 7     |                                    |       |       |       |
| 65     | 121    | 30                     | 6           |       | 3     | 9     | 1                                  |       |       | 1     |
| 66     | 122    | 30 1/4                 | 4           | 2     | 2     | 8     | 3                                  | 1     |       | 4     |
| 67     | 124    | 30 1/2                 | 12          | 3     | 2     | 17    | 3                                  |       |       | 3     |
| 68     | 126    | 30 3/4                 | 8           |       | 1     | 9     | 5                                  |       |       | 5     |
| 69     | 128    | 31                     | 12          | 1     | 2     | 15    | 3                                  |       | 1     | 4     |
| 70     | 130    | 31 1/4                 | 3           | 2     |       | 5     | 6                                  |       | 1     | 7     |
| 71     | 133    | 31 3/4                 | 7           |       |       | 7     | 4                                  | 2     |       | 6     |
| 72     | 138    | 32 1/4                 | 2           |       |       | 2     | 3                                  |       | 2     | 5     |
| 73     | 143    | 32 3/4                 | 1           |       | 1     | 2     |                                    |       |       |       |
| 74     | 148    | 33 1/2                 | 2           |       |       | 2     | 1                                  |       | 1     | 2     |
| 75     | 155    | 34 1/4                 |             |       |       |       | 2                                  |       |       | 2     |
| 76     | 161    | 34 3/4                 | 1           |       |       | 1     |                                    |       | 1     | 1     |
| 77     | 168    | 35 1/4                 |             |       |       |       |                                    |       |       |       |
| 78     | 175    | 35 3/4                 |             |       |       |       |                                    |       |       |       |
| TOTALS |        |                        | 62          | 10    | 12    | 84    | 31                                 | 3     | 6     | 40    |

| Height | Weight | Chest at<br>Expiration | Underdev. Chest |       |       |       |
|--------|--------|------------------------|-----------------|-------|-------|-------|
|        |        |                        | Urban           | Rural | Out-S | Total |
| 64     | 120    | 30                     |                 |       |       |       |
| 65     | 121    | 30                     | 1               |       |       | 1     |
| 66     | 122    | 30 1/4                 |                 |       |       |       |
| 67     | 124    | 30 1/2                 |                 |       |       |       |
| 68     | 126    | 30 3/4                 | 1               |       |       | 1     |
| 69     | 128    | 31                     | 4               |       |       | 4     |
| 70     | 130    | 31 1/4                 | 4               | 1     | 2     | 7     |
| 71     | 133    | 31 3/4                 | 2               | 7     | 2     | 11    |
| 72     | 138    | 32 1/4                 | 4               |       |       | 4     |
| 73     | 143    | 32 3/4                 | 1               | 2     | 3     | 6     |
| 74     | 148    | 33 1/2                 | 1               |       |       | 1     |
| 75     | 155    | 34 1/4                 | 1               |       |       | 1     |
| 76     | 161    | 34 3/4                 |                 |       |       |       |
| 77     | 168    | 35 1/4                 |                 |       |       |       |
| 78     | 175    | 35 3/4                 |                 |       | 1     | 1     |
| TOTALS |        |                        | 19              | 10    | 8     | 37    |





SUBNORMAL DEVELOPMENT OF MEN STUDENTS  
AS DETERMINED BY MINIMUM STANDARDS  
OF THE WAR DEPARTMENT

| <u>Height</u> | <u>Weight</u> | <u>Expiration</u> | <u>Urban</u> | <u>Rural</u> | <u>Out-S</u> | <u>Grand<br/>Total</u> |
|---------------|---------------|-------------------|--------------|--------------|--------------|------------------------|
| 64            | 120           | 30                | 4            | 2            | 1            | 7                      |
| 65            | 121           | 30                | 8            |              | 3            | 11                     |
| 66            | 122           | 30 1/4            | 7            | 3            | 2            | 12                     |
| 67            | 124           | 30 1/2            | 15           | 3            | 2            | 20                     |
| 68            | 126           | 30 3/4            | 14           |              | 1            | 15                     |
| 69            | 128           | 31                | 19           | 1            | 3            | 23                     |
| 70            | 130           | 31 1/4            | 13           | 3            | 3            | 19                     |
| 71            | 133           | 31 3/4            | 13           | 9            | 2            | 24                     |
| 72            | 138           | 32 1/4            | 9            |              | 5            | 14                     |
| 73            | 143           | 32 3/4            | 2            | 2            | 1            | 5                      |
| 74            | 148           | 33 1/2            | 4            |              | 1            | 5                      |
| 75            | 155           | 34 1/4            | 3            |              |              | 3                      |
| 76            | 161           | 34 3/4            | 1            |              | 1            | 2                      |
| 77            | 168           | 35 1/4            |              |              |              |                        |
| 78            | 175           | 35 3/4            |              |              |              |                        |
| 80            | 187           |                   |              |              | 1            | 1                      |
|               |               | TOTALS            | 112          | 23           | 26           | 161                    |

|                                                         | <u>Urban</u> | <u>Rural</u> | <u>Out-S</u> | <u>Grand<br/>Total</u> |
|---------------------------------------------------------|--------------|--------------|--------------|------------------------|
| Underheight and underweight<br>(under 64" and 120 lbs.) | 12           | 1            | 2            | 15                     |
| Underheight (under 64"; 120<br>lbs. or over)            | 10           | 4            | 3            | 17                     |







APPENDIX E

CIVIL SERVICE EXAMINATIONS



## CIVIL SERVICE EXAMINATIONS

|                         | <u>Men</u> | <u>Women</u> | <u>Total</u> |
|-------------------------|------------|--------------|--------------|
| Total number examined   | 322        | 449          | 771          |
| Married                 | 191        | 284          | 475          |
| Widower, widow          | 10         | 25           | 35           |
| Single                  | 121        | 140          | 261          |
| Birthplace              |            |              |              |
| Illinois                | 207        | 249          | 456          |
| Elsewhere               | 115        | 200          | 315          |
| Inheritable diseases    |            |              |              |
| Tuberculosis            | 14         | 15           | 29           |
| Cancer                  | 29         | 15           | 44           |
| Neurasthenia            |            | 6            | 6            |
| Others                  | 3          |              | 3            |
| Injuries                |            |              |              |
| Head                    | 3          |              | 3            |
| Chest                   | 10         | 1            | 11           |
| Abdomen                 |            | 8            | 8            |
| Arm                     | 28         | 14           | 42           |
| Leg                     | 20         | 2            | 22           |
| Others                  | 23         | 5            | 28           |
| Operations              |            |              |              |
| Head                    |            |              |              |
| Tonsils                 | 50         |              | 50           |
| Adenoids                | 7          | 11           | 18           |
| Others                  | 20         | 8            | 28           |
| Chest                   |            | 20           | 20           |
| Abdomen                 | 53         | 44           | 97           |
| Others                  | 8          | 5            | 13           |
| Vaccinations            |            |              |              |
| Typhoid fever           | 10         | 52           | 62           |
| Smallpox                | 260        | 353          | 613          |
| Age of vaccination scar |            |              |              |
| Under 10 years          | 112        | 97           | 209          |
| 10-20 years             | 84         | 103          | 187          |
| Over 20 years           | 68         | 55           | 123          |
| No vaccination scar     | 58         | 194          | 252          |
| Sleep                   |            |              |              |
| Under 6 hours           |            | 6            | 6            |
| 6-7 hours               | 37         | 111          | 148          |
| 8-9 hours               | 261        | 256          | 517          |
| 10 hours and over       | 24         | 76           | 100          |
| Habits                  |            |              |              |
| Tea                     | 58         | 189          | 247          |
| Coffee                  | 221        | 36           | 257          |
| Tobacco                 | 206        | 209          | 415          |
| Alcohol                 | 31         | 6            | 37           |
| Drugs                   |            | 45           | 45           |
| None of the above       | 48         | 25           | 73           |
| Diseases had            |            |              |              |
| Appendicitis            | 28         | 41           | 69           |
| Asthma                  | 10         | 5            | 15           |
| Chickenpox              | 160        | 241          | 401          |
| Chorea                  | 1          |              | 1            |
| Constipation            | 6          | 5            | 11           |





|                          | <u>Men</u> | <u>Women</u> | <u>Total</u> 48 |
|--------------------------|------------|--------------|-----------------|
| Diseases had (continued) |            |              |                 |
| Diphtheria               | 9          | 4            | 13              |
| Dysentery                |            | 6            | 6               |
| Hernia (rupture)         | 2          |              | 2               |
| Infantile paralysis      | 1          |              | 1               |
| Influenza                | 45         | 38           | 83              |
| <del>Malaria</del>       | 2          | 9            | 11              |
| Measles                  | 256        | 252          | 508             |
| Meningitis               | 1          | 6            | 7               |
| Mumps                    | 193        | 201          | 394             |
| Nervous breakdown        | 1          |              | 1               |
| Pleurisy                 | 5          | 7            | 12              |
| Pneumonia                | 43         | 19           | 62              |
| Rheumatism               | 6          | 10           | 16              |
| Scarlet fever            | 26         | 9            | 35              |
| Smallpox                 | 16         | 6            | 22              |
| Tonsillitis              | 30         | 19           | 49              |
| Tuberculosis             | 1          | 1            | 2               |
| Typhoid fever            | 7          | 4            | 11              |
| Whooping cough           | 143        | 70           | 213             |
| Others                   | 14         | 2            | 16              |
| Immunizations            |            |              |                 |
| Smallpox                 | 195        |              | 195             |
| Typhoid fever            | 148        |              | 148             |

#### SUMMARY OF PHYSICAL EXAMINATIONS

|                                 | <u>Men</u> | <u>Women</u> | <u>Total</u> |
|---------------------------------|------------|--------------|--------------|
| Color of hair                   |            |              |              |
| Flaxen                          | 4          | 24           | 28           |
| Reddish                         | 5          | 47           | 52           |
| Light brown                     | 48         | 95           | 143          |
| Dark brown                      | 31         | 101          | 132          |
| Brown                           | 123        | 78           | 201          |
| Black                           | 77         | 71           | 148          |
| Gray                            | 34         | 33           | 67           |
| Color of eyes                   |            |              |              |
| Blue                            | 119        | 77           | 196          |
| Gray                            | 27         | 67           | 94           |
| Greenish                        | 15         | 94           | 109          |
| Hazel                           | 34         | 66           | 100          |
| Brown                           | 111        | 112          | 223          |
| Black                           | 16         | 33           | 49           |
| Vision abnormal without glasses |            |              |              |
| Both eyes                       | 114        | 2            | 116          |
| Right eye (O.D.)                | 22         | 4            | 26           |
| Left eye (O.S.)                 | 16         | 5            | 21           |
| Corrected with glasses          | 52         | 7            | 59           |
| Colorblind                      | 2          | 2            | 4            |
| Ears                            |            |              |              |
| Right ear                       |            |              |              |
| Cerumen                         | 38         | 5            | 43           |
| Perf. drum                      | 4          | 12           | 16           |
| Hearing abnormal                |            | 2            | 2            |



|                       | <u>Men</u> | <u>Women</u> | <u>Total</u> |
|-----------------------|------------|--------------|--------------|
| Ears (continued)      |            |              |              |
| Left ear              |            |              |              |
| Cerumen               | 37         | 5            | 42           |
| Perf. drum            | 5          | 11           | 16           |
| Hearing abnormal      | 1          | 1            | 2            |
| Nose                  |            |              |              |
| Spur                  | 2          | 8            | 10           |
| Deviation             | 16         | 12           | 28           |
| Chronic hypertrophy   | 1          | 14           | 15           |
| Atrophic              |            | 17           | 17           |
| Tonsils               |            |              |              |
| Removed               | 71         | 48           | 119          |
| Tags                  | 1          | 20           | 21           |
| Pathological          | 10         | 21           | 31           |
| Teeth                 |            |              |              |
| No cavities or absent | 71         | 7            | 78           |
| Cavities              | 73         | 195          | 268          |
| Absent                | 104        | 199          | 303          |
| Need cleaning         | 85         | 29           | 114          |
| Devitalized           | 8          | 6            | 14           |
| Gum diseased          | 30         | 14           | 44           |
| Appearance            |            |              |              |
| Healthy               | 317        |              | 317          |
| Not healthy           | 2          |              | 2            |
| Nervous               | 2          |              | 2            |
| Alert                 | 317        |              | 317          |
| Apathetic             |            |              |              |
| Skin                  |            |              |              |
| Acne                  | 12         | 17           | 29           |
| Mycosis               | 18         | 9            | 27           |
| Other skin diseases   | 3          | 3            | 6            |
| Vaccination scar      |            |              |              |
| Arm                   | 244        | 230          | 474          |
| Leg                   | 2          | 120          | 122          |
| None                  | 76         | 99           | 175          |
| General development   |            |              |              |
| Excellent             | 3          | 11           | 14           |
| Good                  | 290        | 261          | 551          |
| Fair                  | 26         | 137          | 163          |
| Poor                  | 3          | 40           | 43           |
| Build                 |            |              |              |
| Stocky                | 37         | 139          | 176          |
| Medium                | 233        | 238          | 471          |
| Slender               | 52         | 72           | 124          |
| Chest                 |            |              |              |
| Flat                  | 4          | 8            | 12           |
| Funnel                | 3          | 3            | 6            |
| Pigeon                | 1          | 5            | 6            |
| Vertebral column      |            |              |              |
| Kyphosis              | 20         | 8            | 28           |
| Lordosis              | 1          | 9            | 10           |
| Scoliosis             | 4          | 7            | 11           |

| LINE | DATE | AMOUNT | DESCRIPTION |
|------|------|--------|-------------|
| 94   | 1/1  | 100    | ...         |
| 95   | 1/1  | 100    | ...         |
| 96   | 1/1  | 100    | ...         |
| 97   | 1/1  | 100    | ...         |
| 98   | 1/1  | 100    | ...         |
| 99   | 1/1  | 100    | ...         |
| 100  | 1/1  | 100    | ...         |
| 101  | 1/1  | 100    | ...         |
| 102  | 1/1  | 100    | ...         |
| 103  | 1/1  | 100    | ...         |
| 104  | 1/1  | 100    | ...         |
| 105  | 1/1  | 100    | ...         |
| 106  | 1/1  | 100    | ...         |
| 107  | 1/1  | 100    | ...         |
| 108  | 1/1  | 100    | ...         |
| 109  | 1/1  | 100    | ...         |
| 110  | 1/1  | 100    | ...         |
| 111  | 1/1  | 100    | ...         |
| 112  | 1/1  | 100    | ...         |
| 113  | 1/1  | 100    | ...         |
| 114  | 1/1  | 100    | ...         |
| 115  | 1/1  | 100    | ...         |
| 116  | 1/1  | 100    | ...         |
| 117  | 1/1  | 100    | ...         |
| 118  | 1/1  | 100    | ...         |
| 119  | 1/1  | 100    | ...         |
| 120  | 1/1  | 100    | ...         |
| 121  | 1/1  | 100    | ...         |
| 122  | 1/1  | 100    | ...         |
| 123  | 1/1  | 100    | ...         |
| 124  | 1/1  | 100    | ...         |
| 125  | 1/1  | 100    | ...         |
| 126  | 1/1  | 100    | ...         |
| 127  | 1/1  | 100    | ...         |
| 128  | 1/1  | 100    | ...         |
| 129  | 1/1  | 100    | ...         |
| 130  | 1/1  | 100    | ...         |
| 131  | 1/1  | 100    | ...         |
| 132  | 1/1  | 100    | ...         |
| 133  | 1/1  | 100    | ...         |
| 134  | 1/1  | 100    | ...         |
| 135  | 1/1  | 100    | ...         |
| 136  | 1/1  | 100    | ...         |
| 137  | 1/1  | 100    | ...         |
| 138  | 1/1  | 100    | ...         |
| 139  | 1/1  | 100    | ...         |
| 140  | 1/1  | 100    | ...         |
| 141  | 1/1  | 100    | ...         |
| 142  | 1/1  | 100    | ...         |
| 143  | 1/1  | 100    | ...         |
| 144  | 1/1  | 100    | ...         |
| 145  | 1/1  | 100    | ...         |
| 146  | 1/1  | 100    | ...         |
| 147  | 1/1  | 100    | ...         |
| 148  | 1/1  | 100    | ...         |
| 149  | 1/1  | 100    | ...         |
| 150  | 1/1  | 100    | ...         |
| 151  | 1/1  | 100    | ...         |
| 152  | 1/1  | 100    | ...         |
| 153  | 1/1  | 100    | ...         |
| 154  | 1/1  | 100    | ...         |
| 155  | 1/1  | 100    | ...         |
| 156  | 1/1  | 100    | ...         |
| 157  | 1/1  | 100    | ...         |
| 158  | 1/1  | 100    | ...         |
| 159  | 1/1  | 100    | ...         |
| 160  | 1/1  | 100    | ...         |
| 161  | 1/1  | 100    | ...         |
| 162  | 1/1  | 100    | ...         |
| 163  | 1/1  | 100    | ...         |
| 164  | 1/1  | 100    | ...         |
| 165  | 1/1  | 100    | ...         |
| 166  | 1/1  | 100    | ...         |
| 167  | 1/1  | 100    | ...         |
| 168  | 1/1  | 100    | ...         |
| 169  | 1/1  | 100    | ...         |
| 170  | 1/1  | 100    | ...         |
| 171  | 1/1  | 100    | ...         |
| 172  | 1/1  | 100    | ...         |
| 173  | 1/1  | 100    | ...         |
| 174  | 1/1  | 100    | ...         |
| 175  | 1/1  | 100    | ...         |
| 176  | 1/1  | 100    | ...         |
| 177  | 1/1  | 100    | ...         |
| 178  | 1/1  | 100    | ...         |
| 179  | 1/1  | 100    | ...         |
| 180  | 1/1  | 100    | ...         |
| 181  | 1/1  | 100    | ...         |
| 182  | 1/1  | 100    | ...         |
| 183  | 1/1  | 100    | ...         |
| 184  | 1/1  | 100    | ...         |
| 185  | 1/1  | 100    | ...         |
| 186  | 1/1  | 100    | ...         |
| 187  | 1/1  | 100    | ...         |
| 188  | 1/1  | 100    | ...         |
| 189  | 1/1  | 100    | ...         |
| 190  | 1/1  | 100    | ...         |
| 191  | 1/1  | 100    | ...         |
| 192  | 1/1  | 100    | ...         |
| 193  | 1/1  | 100    | ...         |
| 194  | 1/1  | 100    | ...         |
| 195  | 1/1  | 100    | ...         |
| 196  | 1/1  | 100    | ...         |
| 197  | 1/1  | 100    | ...         |
| 198  | 1/1  | 100    | ...         |
| 199  | 1/1  | 100    | ...         |
| 200  | 1/1  | 100    | ...         |

|                        | <u>Men</u> | <u>Women</u> | <u>Total</u> |
|------------------------|------------|--------------|--------------|
| Posture                |            |              | 23           |
| Excellent              | 2          | 21           | 23           |
| Good                   | 288        | 258          | 546          |
| Fair                   | 31         | 136          | 167          |
| Poor                   | 1          | 34           | 35           |
| Flexibility restricted | 5          | 7            | 12           |
| Lymph nodes            |            |              | 3            |
| Axillary               | 3          |              | 3            |
| Cervical               | 3          |              |              |
| Epitrochlear           |            |              | 28           |
| Inguinal               | 28         |              |              |
| Thyroid                |            |              |              |
| Enlarged               |            | 1            | 2            |
| Slight                 | 1          | 15           | 15           |
| Moderate               | 6          |              | 6            |
| Lungs, abnormal        | 7          |              | 7            |
| Heart, abnormal        | 2          | 8            | 10           |
| Irregular pulse        |            |              |              |
| Abdomen                |            |              | 1            |
| Abnormal               | 1          |              |              |
| Reflexes               |            |              | 2            |
| Patellar               | 2          |              | 1            |
| Pupillary              | 1          |              | 74           |
| Penis, circumcised     | 74         |              | 2            |
| Testes, abnormal       | 2          |              |              |
| Varicocelæ, present    | 3          |              | 13           |
| Hemorrhoids, present   | 5          | 8            | 13           |
| Hernia, present        | 11         | 2            |              |
| Flat feet              |            |              |              |
| Long arches            |            | 92           | 117          |
| First Degree           | 25         |              | 48           |
| Second Degree          | 48         |              | 10           |
| Third Degree           | 10         |              | 208          |
| Anterior arches flat   | 65         | 143          |              |
| Abnormalities          |            |              |              |
| Had venereal disease   |            |              | 14           |
| Gonorrhea              | 14         |              | 2            |
| Syphilis               | 2          |              |              |
| Obvious defects        |            |              | 1            |
| Amputations            | 1          |              | 1            |
| Atrophies              | 1          |              | 23           |
| Unusual scars          | 14         | 9            | 4            |
| Deformities            | 4          |              |              |
| Urine                  |            |              | 508          |
| Acid                   | 234        | 274          | 256          |
| Alkaline               | 84         | 172          | 4            |
| Neutral                | 4          |              |              |
| Albumin                |            |              | 1            |
| Persistent             | 1          |              | 2            |
| Transitory             |            | 2            | 2            |
| Unclassified           | 2          |              |              |
| Sugar                  |            |              | 1            |
| Persistent             | 1          |              | 5            |
| Unclassified           | 5          |              |              |



|                 | <u>Men</u> | <u>Women</u> | <u>Total</u> |
|-----------------|------------|--------------|--------------|
| Weight          |            |              |              |
| Below 100 lbs.  | 4          | 8            | 12           |
| 100-115 lbs.    | 19         | 106          | 125          |
| 116-130         | 57         | 128          | 185          |
| 131-145         | 74         | 94           | 171          |
| 146-160         | 71         | 62           | 133          |
| 161-175         | 51         | 31           | 82           |
| 176-200         | 33         | 10           | 43           |
| Over 200        | 13         | 10           | 23           |
| Height          |            |              |              |
| Below 50 inches |            | 2            | 2            |
| 50-59 inches    | 3          | 98           | 101          |
| 60-62           | 12         | 151          | 163          |
| 63-65           | 62         | 140          | 202          |
| 66-68           | 140        | 53           | 193          |
| 69-71           | 81         | 5            | 86           |
| 72 and over     | 24         |              | 24           |
| Grade           |            |              |              |
| Good            | 238        | 234          | 472          |
| Fair            | 26         | 153          | 179          |
| Poor            | 3          | 57           | 60           |
| Disqualified    | 5          | 5            | 10           |









APPENDIX F

UNIVERSITY HIGH SCHOOL EXAMINATIONS

1874.

THE UNIVERSITY OF CHICAGO

## UNIVERSITY HIGH SCHOOL EXAMINATIONS

|                              | <u>Men</u> | <u>Women</u> | <u>Total</u> |
|------------------------------|------------|--------------|--------------|
| Total number examined        | 36         | 32           | 68           |
| Total number re-examined     | 22         |              | 22           |
| Inheritable diseases:        |            |              |              |
| Cancer                       |            | 4            | 4            |
| Goiter                       | 1          | 3            | 4            |
| Diabetes                     | 2          | 3            | 5            |
| Kidney disease               |            | 5            | 5            |
| Tuberculosis                 |            | 1            | 1            |
| Birthplace                   |            |              |              |
| Illinois                     | 28         | 26           | 54           |
| Elsewhere                    | 8          | 6            | 14           |
| Use laxatives frequently     | 1          | 1            | 2            |
| Sleep                        |            |              |              |
| 6-7 hours                    | 2          |              | 2            |
| 8-9 hours                    | 26         | 16           | 42           |
| 10 hours and over            | 8          | 16           | 24           |
| Habits                       |            |              |              |
| Coffee                       | 6          | 3            | 9            |
| Tea                          | 6          | 10           | 16           |
| Tobacco                      | 1          |              | 1            |
| None of the three            | 26         | 22           | 48           |
| Age started smoking          |            |              |              |
| 15-19 years                  | 1          |              | 1            |
| Meals per day,               |            |              |              |
| Two                          | 1          | 1            | 2            |
| Three                        | 35         | 30           | 65           |
| More than three              |            | 1            | 1            |
| Weight the past year         |            |              |              |
| Gained                       | 23         | 23           | 46           |
| Lost                         | 2          | 2            | 4            |
| Stationary                   | 11         | 7            | 18           |
| Easily fatigued              |            | 3            | 3            |
| Subject to frequent colds in |            |              |              |
| Nose                         | 6          | 8            | 14           |
| Throat                       | 2          | 3            | 5            |
| Lungs                        |            | 2            | 2            |
| When reading bothered with   |            |              |              |
| Headaches                    | 1          | 4            | 5            |
| Blurring of vision           |            | 4            | 4            |
| Burning of eyes              |            | 2            | 2            |
| Squinting of eyes            | 1          | 3            | 4            |
| Watering of eyes             |            | 4            | 4            |
| Twitching of eyes            |            | 4            | 4            |
| Persistent worry             |            | 1            | 1            |
| Injuries                     |            |              |              |
| Abdomen                      |            | 1            | 1            |
| Arm                          | 4          | 2            | 6            |
| Leg                          |            | 3            | 3            |
| Others                       | 1          | 1            | 2            |
| Operations                   |            |              |              |
| Head                         |            |              |              |
| Tonsils                      | 21         | 15           | 36           |
| Adenoids                     | 5          | 1            | 6            |



|                                 | <u>Men</u> | <u>Women</u> | <u>Total</u> |
|---------------------------------|------------|--------------|--------------|
| Operations (continued)          |            |              |              |
| Abdomen                         | 3          | 2            | 5            |
| Others                          | 1          |              | 1            |
| Arches of feet painful          | 1          | 2            | 3            |
| Possible reasons for not taking |            |              |              |
| Physical Education              | 3          |              | 3            |
| Diseases had                    |            |              |              |
| Appendicitis                    | 2          | 3            | 5            |
| Asthma                          | 4          |              | 4            |
| Chickenpox                      | 21         | 20           | 41           |
| Constipation                    |            | 1            | 1            |
| Diphtheria                      | 1          |              | 1            |
| Discharging ear                 | 1          | 3            | 4            |
| Heart trouble                   |            | 1            | 1            |
| Hay fever                       | 3          | 1            | 4            |
| Hernia                          |            | 1            | 1            |
| Influenza                       | 2          | 6            | 8            |
| Kidney trouble                  |            | 5            | 5            |
| Malaria                         |            | 1            | 1            |
| Measles                         | 28         | 25           | 53           |
| German measles                  | 14         | 9            | 23           |
| Mumps                           | 19         | 14           | 33           |
| Pneumonia                       | 2          | 6            | 8            |
| Scarlet fever                   | 3          | 2            | 5            |
| Sinusitis                       | 4          |              | 4            |
| Smallpox                        | 1          | 1            | 2            |
| Tonsillitis                     | 5          | 9            | 14           |
| Typhoid fever                   | 1          |              | 1            |
| Whooping cough                  | 16         | 21           | 37           |
| Others                          | 7          | 1            | 8            |
| Immunizations                   |            |              |              |
| Diphtheria                      | 17         | 23           | 40           |
| Scarlet fever                   | 11         | 13           | 24           |
| Smallpox                        | 22         | 29           | 51           |
| Typhoid fever                   | 13         | 15           | 28           |
| Tests                           |            |              |              |
| Schick                          | 18         | 23           | 41           |
| Dick                            | 18         | 18           | 36           |





## SUMMARY OF PHYSICAL EXAMINATIONS

|                                 | <u>Men</u> | <u>Women</u> | <u>Total</u> |
|---------------------------------|------------|--------------|--------------|
| Color of hair                   |            |              |              |
| Flaxen                          | 3          | 6            | 9            |
| Reddish                         | 1          | 2            | 3            |
| Light brown                     | 15         | 6            | 21           |
| Dark brown                      | 5          | 5            | 10           |
| Brown                           | 9          | 11           | 20           |
| Black                           | 3          | 2            | 5            |
| Color of eyes                   |            |              |              |
| Blue                            | 16         | 11           | 27           |
| Gray                            | 1          |              | 1            |
| Greenish                        | 1          | 5            | 6            |
| Hazel                           | 2          | 3            | 5            |
| Brown                           | 14         | 13           | 27           |
| Black                           | 2          |              | 2            |
| Vision abnormal without glasses |            |              |              |
| Both eyes                       | 10         | 4            | 14           |
| Right eye (O.D.)                | 11         |              | 11           |
| Left eye (O.S.)                 | 10         |              | 10           |
| Corrected with glasses          | 2          | 1            | 3            |
| Ears                            |            |              |              |
| Right ear                       |            |              |              |
| Cerumen                         | 2          | 2            | 4            |
| Left ear                        |            |              |              |
| Cerumen                         | 1          | 1            | 2            |
| Eardr. drum                     | 1          |              | 1            |
| Nose                            |            |              |              |
| Deviation                       | 1          |              | 1            |
| Chronic hypertrophy             | 2          |              | 2            |
| Tongue                          |            |              |              |
| Removed                         | 26         |              | 26           |
| Tars                            |            | 1            | 1            |
| Pathological                    | 1          | 8            | 9            |
| Teeth                           |            |              |              |
| No cavities or absent           | 16         | 4            | 20           |
| Cavities                        | 2          | 6            | 8            |
| Absent                          | 14         | 3            | 17           |
| Need cleaning                   | 3          | 1            | 4            |
| Gums diseased                   |            | 10           | 10           |
| Skin                            |            |              |              |
| Acne                            | 3          | 2            | 5            |
| Other skin diseases             |            | 25           | 25           |
| Vaccination scar                |            |              |              |
| Arm                             | 34         | 3            | 37           |
| Leg                             |            | 4            | 4            |
| None                            | 2          |              | 2            |
| General development             |            |              |              |
| Excellent                       |            | 27           | 27           |
| Good                            | 32         | 5            | 37           |
| Fair                            | 4          |              | 4            |
| Poor                            |            | 4            | 4            |
| Build                           |            |              |              |
| Stocky                          |            | 19           | 19           |
| Medium                          | 23         | 9            | 31           |
| Slender                         | 13         | 4            | 17           |



|                      | <u>Men</u> | <u>Women</u> | <u>Total</u> |
|----------------------|------------|--------------|--------------|
| Chest                |            |              |              |
| Pigeon               | 1          |              | 1            |
| Vertebral column     |            |              |              |
| Lordosis             |            | 1            | 1            |
| Scoliosis            |            | 27           | 27           |
| Posture              |            |              |              |
| Excellent            |            | 4            | 4            |
| Good                 | 34         |              | 34           |
| Fair                 | 2          | 1            | 3            |
| Flexibility          |            |              |              |
| Restricted           |            | 1            | 1            |
| Thyroid, enlarged    |            |              |              |
| Slight               |            | 1            | 1            |
| Penis                |            |              |              |
| Circumcised          | 19         |              | 19           |
| Flat feet            |            |              |              |
| Long arches          |            |              |              |
| First degree         | 6          | 13           | 19           |
| Second degree        | 6          | 3            | 9            |
| Anterior arches flat | 7          | 5            | 12           |
| Obvious defects      |            |              |              |
| Unusual scars        | 1          | 1            | 2            |
| Deformities          |            | 1            | 1            |
| Urine                |            |              |              |
| Acid                 | 25         | 24           | 49           |
| Alkaline             | 11         | 8            | 19           |
| Weight               |            |              |              |
| Below 100 lbs.       | 13         | 8            | 21           |
| 100-115 incl.        | 8          | 11           | 19           |
| 116-130              | 8          | 9            | 17           |
| 131-145              | 5          | 2            | 7            |
| 146-160              | 1          | 2            | 3            |
| Height               |            |              |              |
| 50-59 feet           | 5          | 5            | 10           |
| 60-62                | 8          | 9            | 17           |
| 63-65                | 8          | 15           | 23           |
| 66-68                | 11         | 3            | 14           |
| 69-71                | 2          |              | 2            |
| 72 and over          | 1          |              | 1            |

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APPENDIX G

CASES ENCOUNTERED DURING THE YEAR

1911

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## CASES ENCOUNTERED DURING THE YEAR

|                    |             |      |
|--------------------|-------------|------|
| Abdominal pain     |             | 27   |
| Abscess            |             |      |
| Alveolar (gumboil) | 33          |      |
| Unclassified       | <u>45</u>   | 78   |
| Acne               |             | 73   |
| Adenitis           |             |      |
| Cervical           | 13          |      |
| Inguinal           | 2           |      |
| Unclassified       | <u>56</u>   | 71   |
| Albuminuria        |             |      |
| Accidental         | -           |      |
| Unclassified       | <u>4</u>    | 4    |
| Allergy            |             | 96   |
| Amenorrhea         |             | 1    |
| Anemia             |             | 12   |
| Angina, Vincent's  |             | 51   |
| Appendicitis       |             |      |
| Acute              | 1           |      |
| Chronic            | 2           |      |
| Unclassified       | <u>51</u>   | 54   |
| Arthritis          |             | 83   |
| Asthma             |             | 147  |
| Astigmatism        |             | 1    |
| Atrophy            |             | 2    |
| Autointoxication   |             | 1    |
| Ankylosis          |             | 2    |
| Bites              |             |      |
| Animal             | 21          |      |
| Insect stings      | <u>28</u>   | 49   |
| Blepharitis        |             | 18   |
| Bromidrosis        |             | 64   |
| Bronchitis         |             |      |
| Acute              | 73          |      |
| Chronic            | 1           |      |
| Unclassified       | <u>2229</u> | 2303 |
| Bunion             |             | 4    |
| Bursitis           |             | 114  |
| Callosity          |             | 20   |
| Cancrum, oris      |             | 32   |
| Caries, Dental     |             | 288  |
| Cellulitis         |             | 44   |
| Ceruminosis        |             | 187  |
| Chalazion          |             | 17   |
| Chickenpox         |             | 5    |
| Chiggers           |             | 3    |
| Chills             |             | 3    |
| Clavus             |             | 59   |
| Colitis            |             | 30   |
| Conjunctivitis     |             |      |
| Acute              | 18          |      |
| Chronic            | -           |      |
| Unclassified       | <u>234</u>  | 252  |
| Constipation       |             | 81   |
| Coryza             |             | 2845 |
| Cough              |             | 46   |
| Cramp              |             | 5    |



|                         |            |     |
|-------------------------|------------|-----|
| Cyst                    |            | 57  |
| Sebaceous               | 47         |     |
| Unclassified            | <u>76</u>  | 123 |
| Cystitis                |            | 13  |
| Dandruff                |            | 3   |
| Deafness                |            | 12  |
| Dermatitis              |            |     |
| Chemical                | 16         |     |
| Venenata                | 10         |     |
| Unclassified            | <u>250</u> | 276 |
| Deviation, nasal septum |            | 1   |
| Diarrhea                |            | 115 |
| Dysmenorrhea            |            | 29  |
| Ecchymosis              |            | 1   |
| Eczema                  |            | 19  |
| Edema                   |            | 9   |
| Enteritis               |            | 387 |
| Eustachitis             |            | 1   |
| Erythema                |            | 2   |
| Exostosis               |            | 3   |
| Fainting (syncope)      |            | 13  |
| Fatigue                 |            | 49  |
| Fissure                 |            |     |
| Anus                    | ---        |     |
| Unclassified            | <u>10</u>  | 10  |
| Fistula                 |            | 2   |
| Flat foot (pes planus)  |            | 57  |
| Folliculitis            |            | 1   |
| Frostbite               |            | 4   |
| Furunculosis            |            | 508 |
| Ganglion                |            | 4   |
| Gastritis               |            | 192 |
| Gastroenteritis         |            | 279 |
| Gingivitis              |            | 97  |
| Glycosuria              |            | 1   |
| Hay fever               |            | 88  |
| Headache (cephalalgia)  |            | 178 |
| Heart trouble           |            | 1   |
| Heat rash               |            | 2   |
| Hemorrhage              |            | 12  |
| Hemorrhoids             |            | 3   |
| Hernia                  |            |     |
| Inguinal                | 18         |     |
| Unclassified            | <u>77</u>  | 95  |
| Herpes                  |            |     |
| Labialis                | 12         |     |
| Simplex                 | 17         |     |
| Zoster                  | 22         |     |
| Unclassified            | <u>14</u>  | 65  |
| Hordeolum               |            | 69  |
| Hydrocele               |            | 5   |
| Hyperchlorhydria        |            | 2   |
| Hyperhidrosis           |            | 55  |
| Hypertension            |            | 13  |
| Hypothyroidism          |            | 2   |
| Impetigo                |            |     |
| Contagiosa              | 13         |     |
| Unclassified            | <u>129</u> | 142 |
| Indigestion             |            | 74  |

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|---------------|-------------|------|
| Inflammation  |             | 7    |
| Influenza     |             | 48   |
| Ingrown nail  |             | 61   |
| Insomnia      |             | 13   |
| Irritation    |             |      |
| Skin          |             |      |
| Unclassified  | <u>3</u>    | 3    |
| Keloid        |             | 3    |
| Lagrippe      |             | 230  |
| Laryngitis    |             | 90   |
| Lumbago       |             | 29   |
| Malaise       |             | 8    |
| Malaria       |             | 2    |
| Menorrhagia   |             | 2    |
| Metatarsalgia |             | 17   |
| Miliaria      |             | 15   |
| Mumps         |             | 12   |
| Myalgia       |             | 15   |
| Mycosis       |             | 1617 |
| Myopia        |             | 7    |
| Myositis      |             | 515  |
| Nausea        |             | 6    |
| Nervousness   |             | 12   |
| Nephritis     |             | 1    |
| Neuralgia     |             |      |
| Intercostal   | 2           |      |
| Unclassified  | <u>18</u>   | 20   |
| Neurasthenia  |             | 1    |
| Neuritis      |             | 61   |
| Neurosis      |             | 26   |
| Nevus         |             | 1    |
| Obesity       |             | 1    |
| Osteomyelitis |             | 3    |
| Otalgia       |             | 68   |
| Otitis        |             |      |
| Externa       | 19          |      |
| Media         | <u>139</u>  | 158  |
| Overweight    |             | 3    |
| Painful       |             |      |
| Arch          | 166         |      |
| Knee          | 17          |      |
| Miscellaneous | <u>137</u>  | 310  |
| Paralysis     |             |      |
| Facial        | <u>1</u>    | 1    |
| Paronchia     |             | 21   |
| Pediculosis   |             |      |
| Pubis         | 45          |      |
| Unclassified  | <u>28</u>   | 73   |
| Periostitis   |             | 4    |
| Pharyngitis   |             |      |
| Acute         |             |      |
| Naso          | 1           |      |
| Unclassified  | <u>1670</u> | 1671 |
| Phimosis      |             | 32   |
| Pityriasis    |             | 2    |
| Pleurisy      |             | 59   |
| Pneumonia     |             | 1    |

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|------------------|------------|-----|
| Poisoning        |            |     |
| Typh             | 7          |     |
| Unclassified     | <u>2</u>   | 9   |
| Psoriasis        |            | 15  |
| Pustule          |            | 7   |
| Rash             |            | 32  |
| Rales            |            | 5   |
| Rheumatic fever  |            | 1   |
| Rhinitis         |            |     |
| Acute            | 16         |     |
| Chronic          | 4          |     |
| Unclassified     | <u>688</u> | 708 |
| Rubella          |            | 13  |
| Scabies          |            | 20  |
| Scarlet fever    |            | 7   |
| Sciatica         |            | 12  |
| Scoliosis        |            | 2   |
| Seborrhea        |            | 28  |
| Sinusitis        |            | 431 |
| Soreness, muscle |            | 11  |
| Stomatitis       |            |     |
| Aphthous         | 27         |     |
| Unclassified     | <u>68</u>  | 95  |
| Sunburn          |            | 18  |
| Tachycardia      |            | 28  |
| Tenosynovitis    |            | 39  |
| Tinea            |            |     |
| Circinata        | 1          |     |
| Cruris           | 594        |     |
| Unclassified     | <u>31</u>  | 626 |
| Tinnitus aurium  |            | 1   |
| Tonsillitis      |            |     |
| Acute            | 5          |     |
| Unclassified     | <u>93</u>  | 98  |
| Toothache        |            | 105 |
| Torticollis      |            | 21  |
| Tenderness       |            | 1   |
| Ulcer            |            | 51  |
| Underweight      |            | 7   |
| Urethritis       |            | 5   |
| Urticaria        |            | 38  |
| Vaccinia         |            | 32  |
| Varicocoele      |            | 19  |
| Varicose veins   |            | 45  |
| Verruca (wart)   |            | 252 |
| Vertigo          |            | 3   |
| Vomiting         |            | 2   |
| Weak ankle       |            | 5   |
| Wound            |            | 5   |





## INJURIES, WOUNDS, SPRAINS

|               |           |     |
|---------------|-----------|-----|
| Abrasion      |           |     |
| Ankle         | 7         |     |
| Arm           | 6         |     |
| Buttock       | 3         |     |
| Elbow         | 10        |     |
| Face          | 7         |     |
| Finger        | 14        |     |
| Foot          | 12        |     |
| Hand          | 19        |     |
| Head          | 4         |     |
| Heel          | 8         |     |
| Knee          | 78        |     |
| Leg           | 26        |     |
| Nose          | 4         |     |
| Thigh         | 4         |     |
| Toe           | 14        |     |
| Miscellaneous | 19        |     |
| Unclassified  | <u>73</u> | 308 |
| Blister       |           |     |
| Hand          | 1         |     |
| Heel          | 40        |     |
| Foot          | 155       |     |
| Toe           | 41        |     |
| Miscellaneous | 4         |     |
| Unclassified  | <u>32</u> | 273 |
| Broken tooth  |           | 1   |
| Burn          |           |     |
| Acid          | 8         |     |
| Chemical      | 22        |     |
| Miscellaneous | 16        |     |
| Unclassified  | 34        |     |
| Arm           | 7         |     |
| Eye           | 1         |     |
| Face          | 2         |     |
| Finger        | 18        |     |
| Foot          | 11        |     |
| Hand          | 1         |     |
| Leg           | 4         |     |
| Neck          | 1         |     |
| Miscellaneous | <u>3</u>  | 108 |
| Contusion     |           |     |
| Arm           | 6         |     |
| Back          | 18        |     |
| Chest         | 26        |     |
| Ear           | 3         |     |
| Eye           | 8         |     |
| Face          | 3         |     |
| Finger        | 54        |     |
| Foot          | 83        |     |
| Groin         | 2         |     |
| Head          | 9         |     |
| Hand          | 18        |     |
| Heel          | 69        |     |
| Hip           | 18        |     |



## Contusion (continued)

|               |           |     |
|---------------|-----------|-----|
| Jaw           | 4         |     |
| Joint         |           |     |
| Ankle         | 16        |     |
| Elbow         | 18        |     |
| Knee          | 48        |     |
| Toeg          | 69        |     |
| Lip           | 2         |     |
| Nose          | 32        |     |
| Scalp         | 1         |     |
| Scrotum       | 2         |     |
| Shoulder      | 24        |     |
| Side          | 5         |     |
| Spine         | 1         |     |
| Testicle      | 5         |     |
| Thigh         | 7         |     |
| Toe           | 114       |     |
| Miscellaneous | 92        |     |
| Unclassified  | <u>28</u> | 785 |
| Dislocation   |           |     |
| Cartilage     | 1         |     |
| Elbow         | 2         |     |
| Finger        | 2         |     |
| Shoulder      | 5         |     |
| Unclassified  | <u>2</u>  | 12  |
| Foreign body  |           |     |
| Ear           | 1         |     |
| Eye           | 71        |     |
| Finger        | 78        |     |
| Hand          | 1         |     |
| Nasal passage | 1         |     |
| Miscellaneous | 16        |     |
| Unclassified  | <u>4</u>  | 172 |
| Fracture      |           |     |
| Bones         |           |     |
| Ankle         | 6         |     |
| Arm           | 1         |     |
| Hand          | 5         |     |
| Leg           | 1         |     |
| Rib           | 13        |     |
| Miscellaneous | 8         |     |
| Joints        |           |     |
| Elbow         | 3         |     |
| Finger        | 21        |     |
| Wrist         | 4         |     |
| Unclassified  | —         | 62  |
| Incisions     |           |     |
| Hand          |           |     |
| Wound         | <u>43</u> | 43  |
| Infections    |           |     |
| Abrasion      | 7         |     |
| Arm           | 9         |     |
| Blister       | 6         |     |
| Cyst          | 13        |     |
| Ear           | 21        |     |
| Elbow         | 5         |     |
| Eye           | 3         |     |

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## Infections (continued)

|               |            |      |
|---------------|------------|------|
| Face          | 8          |      |
| Finger        | 65         |      |
| Foot          | 56         |      |
| Gum           | 14         |      |
| Hand          | 9          |      |
| Heel          | 8          |      |
| Knee          | 5          |      |
| Leg           | 25         |      |
| Mouth         | 7          |      |
| Respiratory   | 3482       |      |
| Skin          | 1          |      |
| Toe           | 104        |      |
| Tooth         | 16         |      |
| Miscellaneous | <u>136</u> | 3739 |
| Injured       |            |      |
| Ankle         | 35         |      |
| Eye           | 4          |      |
| Finger        | 15         |      |
| Foot          | 28         |      |
| Hand          | 10         |      |
| Knee          | 163        |      |
| Leg           | 13         |      |
| Nose          | 6          |      |
| Rib           | 3          |      |
| Shoulder      | 29         |      |
| Skull         | 1          |      |
| Toe           | 29         |      |
| Wrist         | 19         |      |
| Miscellaneous | 85         |      |
| Unclassified  | <u>5</u>   | 445  |
| Lacerations   |            |      |
| Arm           | 4          |      |
| Chin          | 4          |      |
| Ear           | 1          |      |
| Elbow         | 1          |      |
| Eye           | 36         |      |
| Face          | 8          |      |
| Finger        | 51         |      |
| Foot          | 12         |      |
| Hand          | 29         |      |
| Head          | 7          |      |
| Knee          | 6          |      |
| Leg           | 5          |      |
| Lips          | 11         |      |
| Nose          | 1          |      |
| Scalp         | 12         |      |
| Shoulder      | 2          |      |
| Toe           | 5          |      |
| Wrist         | 1          |      |
| Wound         | 4          |      |
| Miscellaneous | 16         |      |
| Unclassified  | <u>35</u>  | 251  |



|               |          |      |
|---------------|----------|------|
| Sprain        |          |      |
| Ankle         | 449      |      |
| Back          | 94       |      |
| Elbow         | 9        |      |
| Finger        | 56       |      |
| Foot          | 125      |      |
| Hand          | 6        |      |
| Hip           | 7        |      |
| Knee          | 135      |      |
| Leg           | 10       |      |
| Neck          | 9        |      |
| Sacroiliac    | 18       |      |
| Shoulder      | 38       |      |
| Tendon        | 2        |      |
| Thumb         | 19       |      |
| Toe           | 40       |      |
| Wrist         | 70       |      |
| Miscellaneous | 87       |      |
| Unclassified  | <u>2</u> | 1067 |
| Strain        |          |      |
| Abdomen       | 3        |      |
| Ankle         | 25       |      |
| Arm           | 2        |      |
| Back          | 15       |      |
| Eye           | 348      |      |
| Foot          | 6        |      |
| Knee          | 9        |      |
| Leg           | 2        |      |
| Muscle        | 34       |      |
| Sacroiliac    | 42       |      |
| Shoulder      | 5        |      |
| Thigh         | 3        |      |
| Thumb         | 3        |      |
| Wrist         | 7        |      |
| Miscellaneous | 18       |      |
| Unclassified  | <u>3</u> | 525  |





## RECAPITULATION

|                 |      |
|-----------------|------|
| Coryza          | 2345 |
| Pharyngitis     | 1563 |
| Mycosis         | 1617 |
| Rhinitis        | 688  |
| Tinea           | 616  |
| Mycositis       | 515  |
| Furunculosis    | 508  |
| Sinusitis       | 431  |
| Enteritis       | 387  |
| Gastroenteritis | 279  |
| Conjunctivitis  | 252  |
| Verruca         | 252  |
| Dermatitis      | 250  |
| LaGrippe        | 230  |
| Gastritis       | 192  |
| Ceruminosis     | 187  |
| Headache        | 178  |
| Otitis          | 158  |
| Asthma          | 147  |
| Impetigo        | 142  |
| Cyst            | 123  |
| Bursitis        | 114  |
| Toothache       | 105  |
| Tonsillitis     | 98   |
| Gingivitis      | 97   |
| Allergy         | 96   |
| Stomatitis      | 95   |
| Laryngitis      | 90   |
| Hay fever       | 83   |
| Arthritis       | 83   |
| Constipation    | 81   |
| Indigestion     | 74   |
| Acne            | 73   |
| Adentitis       | 71   |
| Wound           | 70   |
| Herpes          | 69   |
| Hordeolum       | 69   |
| Otaigia         | 68   |
| Bromidrosis     | 64   |
| Bronchitis      | 62   |
| Ingrown nail    | 61   |
| Neuritis        | 61   |
| Clavus          | 59   |
| Pleurisy        | 59   |
| Appendicitis    | 58   |
| Flat feet       | 57   |
| Angina          | 51   |
| Ulcer           | 51   |
| Bites           | 49   |
| Fatigue         | 49   |
| Cough           | 46   |
| Varicose veins  | 45   |
| Cellulitis      | 44   |
| Urticaria       | 38   |

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| Cancrum, oris  | 32 |
| Vaccina        | 32 |
| Colitis        | 30 |
| Dysmenorrhea   | 29 |
| Lumbago        | 29 |
| Abdominal pain | 27 |
| Callosity      | 20 |
| Scabies        | 20 |
| Varicocele     | 19 |
| Blepharitis    | 18 |
| Chalazion      | 17 |
| Cystitis       | 13 |
| Insomnia       | 13 |
| Fainting       | 13 |
| Hypertension   | 13 |
| Rubella        | 13 |
| Anemia         | 12 |
| Deafness       | 12 |
| Mumps          | 12 |

TEN CASES OF: Fissure

NINE CASES OF: Edema and Poisoning

EIGHT CASES OF: Malaise

SEVEN CASES OF: Underweight and Pustule

FIVE CASES OF: Cramps

FOUR CASES OF: Ganglion, Bunion, Albuminuria

THREE CASES OF: Irritation, Overweight, Chiggers, Dandruff,  
Hemorrhoids

TWO CASES OF: Pediculosis, Pityriasis, Phimosi, Menorrhagia,  
Atrophy

ONE CASE OF: Abscess







## APPENDIX H

### SURVEY OF HEALTH TEACHING IN HIGH SCHOOLS





## BIOLOGY

|                                               |     |
|-----------------------------------------------|-----|
| Biology and Nothing Else                      | 291 |
| Agriculture                                   | 12  |
| Agriculture, Farm Mechanics                   | 1   |
| Botany                                        | 2   |
| Chemistry                                     | 11  |
| Chemistry, Mathematics                        | 3   |
| Chemistry, Physics, Mathematics               | 1   |
| Chemistry, Physiology                         | 1   |
| Civics                                        | 1   |
| Coach                                         | 3   |
| English                                       | 3   |
| English, History, Physics, Physical Education | 1   |
| English, Polish                               | 1   |
| English, Social Science                       | 1   |
| General Science                               | 26  |
| General Science, Algebra                      | 2   |
| General Science, Chemistry                    | 7   |
| General Science, Physical Education           | 1   |
| General Science, Physics                      | 3   |
| Geography                                     | 1   |
| Health                                        | 1   |
| History                                       | 5   |
| History, Physical Education                   | 2   |
| Home Economics                                | 7   |
| Hygiene, Bookkeeping                          | 1   |
| Language                                      | 1   |
| Latin                                         | 1   |
| Mathematics                                   | 5   |
| Mathematics, English, Physiology              | 1   |
| Mathematics, Science                          | 2   |
| Other Sciences                                | 4   |
| Physical Education                            | 22  |
| Physical Education, Coach, Physics            | 1   |
| Physical Education, General Science           | 1   |
| Physical Education, Mathematics               | 3   |
| Physics                                       | 9   |
| Physics, Aeronautics                          | 1   |
| Physics, Chemistry                            | 4   |
| Physics, Economics                            | 1   |
| Physiology                                    | 2   |
| Religion                                      | 1   |
| Sciences and English                          | 1   |
| Social Science                                | 2   |
| Sociology, General Science                    | 1   |
| Spanish                                       | 1   |
| Zoology, Botany                               | 7   |
| Zoology, Chemistry                            | 1   |
| Zoology, General Science                      | 1   |



## GENERAL SCIENCE

|                                  |     |
|----------------------------------|-----|
| General Science and Nothing Else | 222 |
| Aeronautics                      | 1   |
| Agriculture                      | 3   |
| Algebra                          | 5   |
| Arithmetic and Geography         | 1   |
| Band                             | 1   |
| Biology                          | 27  |
| Biology, History                 | 4   |
| Biology, Mathematics             | 3   |
| Biology, Physics                 | 5   |
| Botony, Zoology                  | 2   |
| Chemistry                        | 20  |
| Chemistry, Botony                | 2   |
| Chemistry, Physiology            | 1   |
| Civics                           | 1   |
| Economics                        | 3   |
| English                          | 6   |
| English, Plane Geometry          | 1   |
| Football and Baseball Coach      | 3   |
| Geography                        | 4   |
| Geometry, Physics                | 2   |
| Gym                              | 1   |
| History                          | 5   |
| History, Chemistry, Physics      | 2   |
| History, Civics                  | 2   |
| Home Economics                   | 12  |
| Home Economics, Mathematics      | 2   |
| Home Economics, Typing           | 1   |
| Hygiene                          | 1   |
| Latin                            | 1   |
| Mathematics                      | 26  |
| Mathematics, Chemistry           | 1   |
| Mathematics, English, Biology    | 1   |
| Mathematics, Physics             | 6   |
| Mathematics, Science             | 1   |
| Mechanical Drawing               | 1   |
| Music                            | 2   |
| Music, Biology                   | 1   |
| Music, Manual Training, Biology  | 2   |
| Other Sciences                   | 14  |
| Physical Education               | 15  |
| Physical Education and History   | 3   |
| Physics                          | 25  |
| Physics, Chemistry               | 28  |
| Physiography                     | 1   |
| Physiology                       | 2   |
| Physiology, Biology              | 1   |
| Physiology, Mathematics          | 1   |
| Theory of Air Flight             | 2   |



## HYGIENE

|                                     |     |
|-------------------------------------|-----|
| Hygiene and Nothing Else            | 22  |
| Biology                             | 2   |
| Biology, Bookkeeping                | 1   |
| Commerce                            | 1   |
| English                             | 1   |
| English, Mathematics                | 2   |
| Foods, Clothing                     | 1   |
| General Science                     | 1   |
| General Science, Physical Education | 2   |
| History                             | 2   |
| Home Economics                      | 1   |
| Home Economics, Physical Education  | 1   |
| Home Nursing                        | 2   |
| Music, Mathematics, History         | 1   |
| Physical Education                  | 234 |
| Physical Education, Biology         | 1   |
| Physical Education, Civics          | 1   |
| Physical Education, English         | 6   |
| Sociology                           | 2   |

## PHYSIOLOGY

|                                            |    |
|--------------------------------------------|----|
| Physiology and Nothing Else                | 22 |
| Biology                                    | 4  |
| Biology, and General Science               | 1  |
| Botony                                     | 1  |
| Botony, Zoology                            | 1  |
| Chemistry                                  | 1  |
| Chemistry, Physics, Biology                | 2  |
| Coach                                      | 1  |
| Commercial Geography                       | 1  |
| Economics                                  | 1  |
| Economics, Sociology, Coach                | 1  |
| General Science                            | 3  |
| General Science, Chemistry, Mathematics    | 1  |
| Geography, Physics, Chemistry, Mathematics | 2  |
| History                                    | 1  |
| Hygiene, Zoology                           | 2  |
| Mathematics                                | 2  |
| Mathematics, General Science               | 1  |
| Mathematics, Physics                       | 1  |
| Physical Education                         | 8  |
| Physical Education, English                | 1  |
| Physics                                    | 1  |
| Physiography                               | 7  |
| Sociology, History, Language               | 1  |
| Zoology, Chemistry                         | 1  |











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